

REEL 3

ROT. 1456 - ROT. 1484

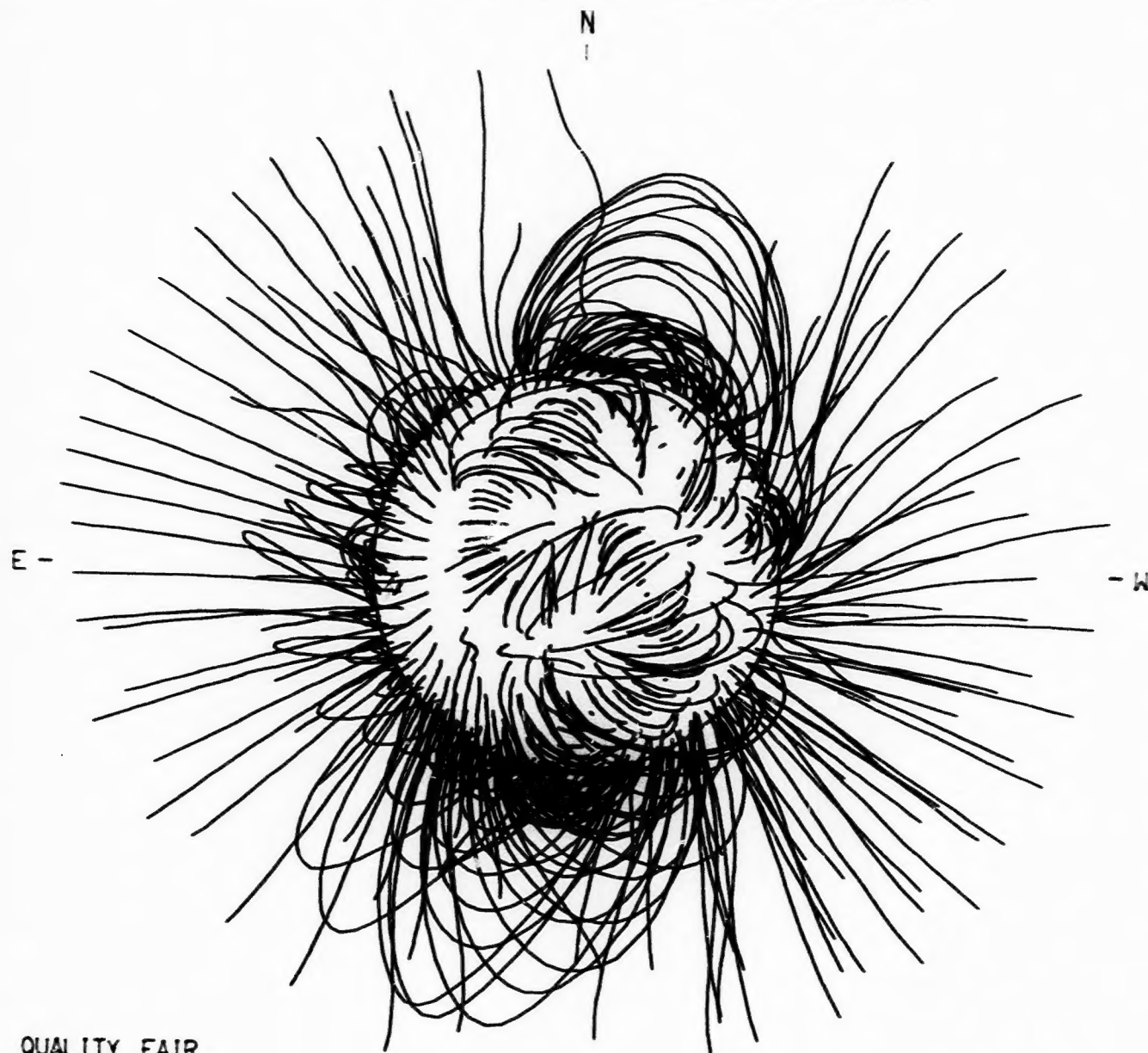
28 JUL 1962 - 15 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

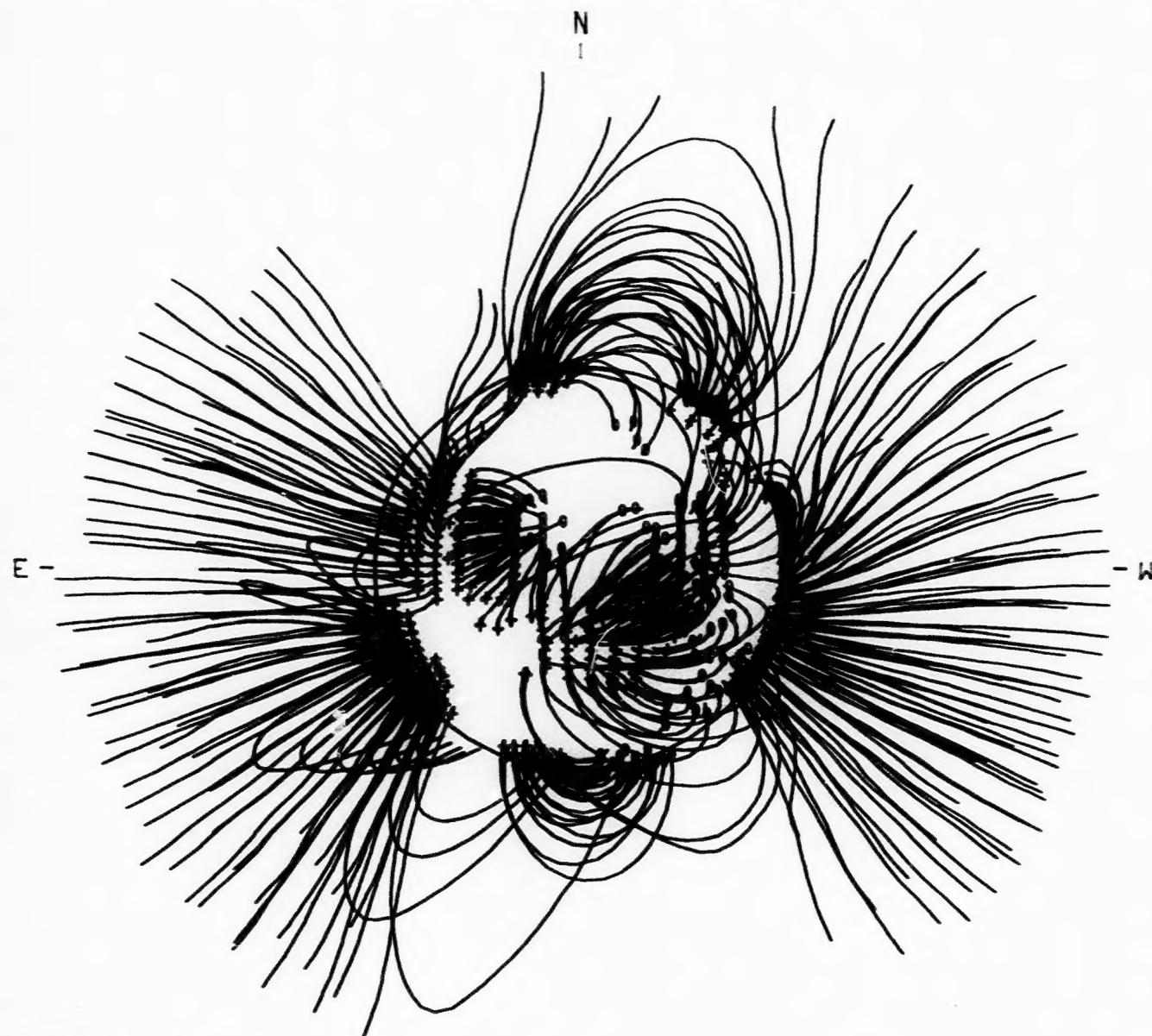
DATA WINDOW 1456.47

I
S

ROT. 1456 LONG. 80°

28.5 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

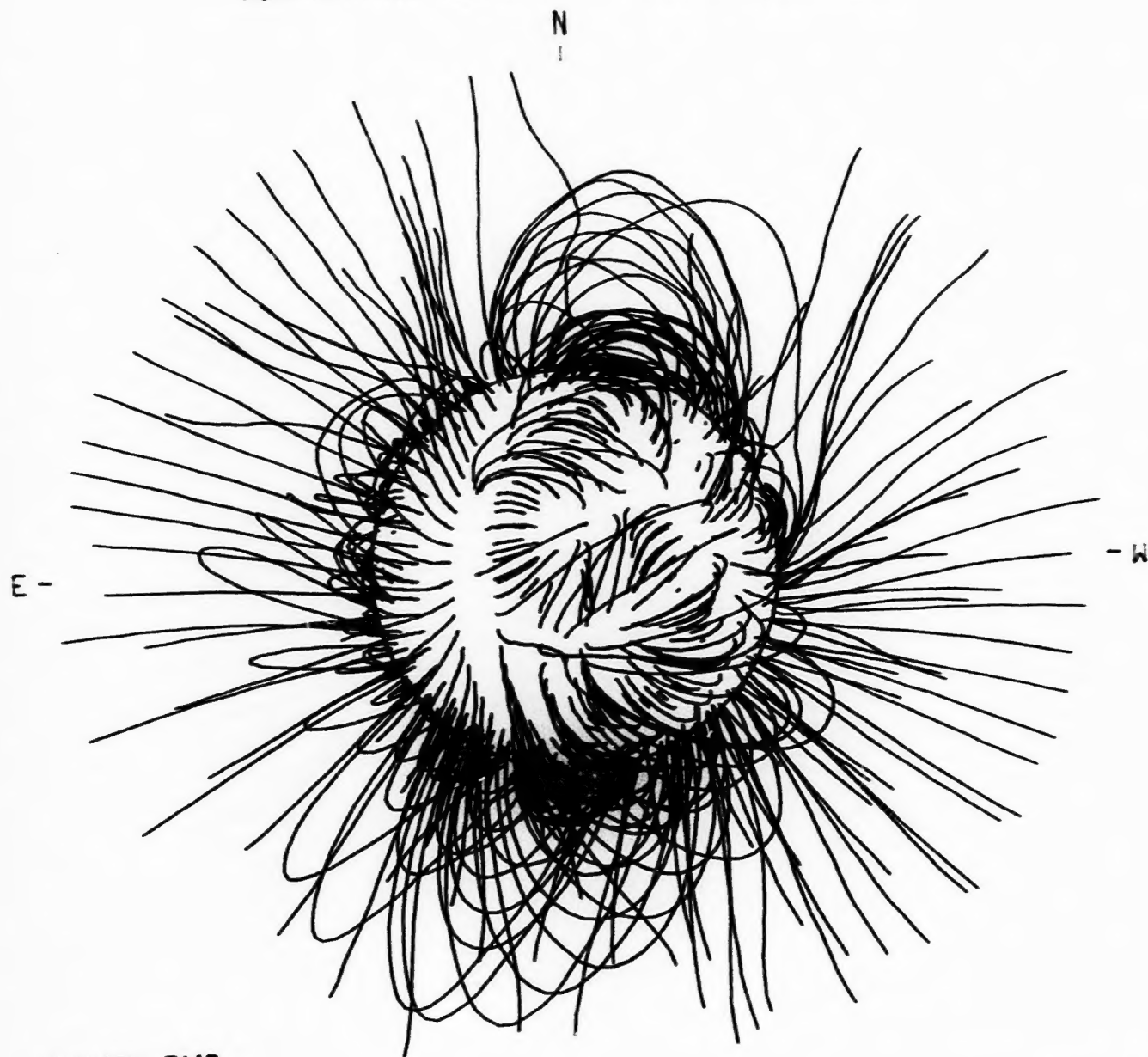


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

I
S

ROT. 1456 LONG. 80°
28.5 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

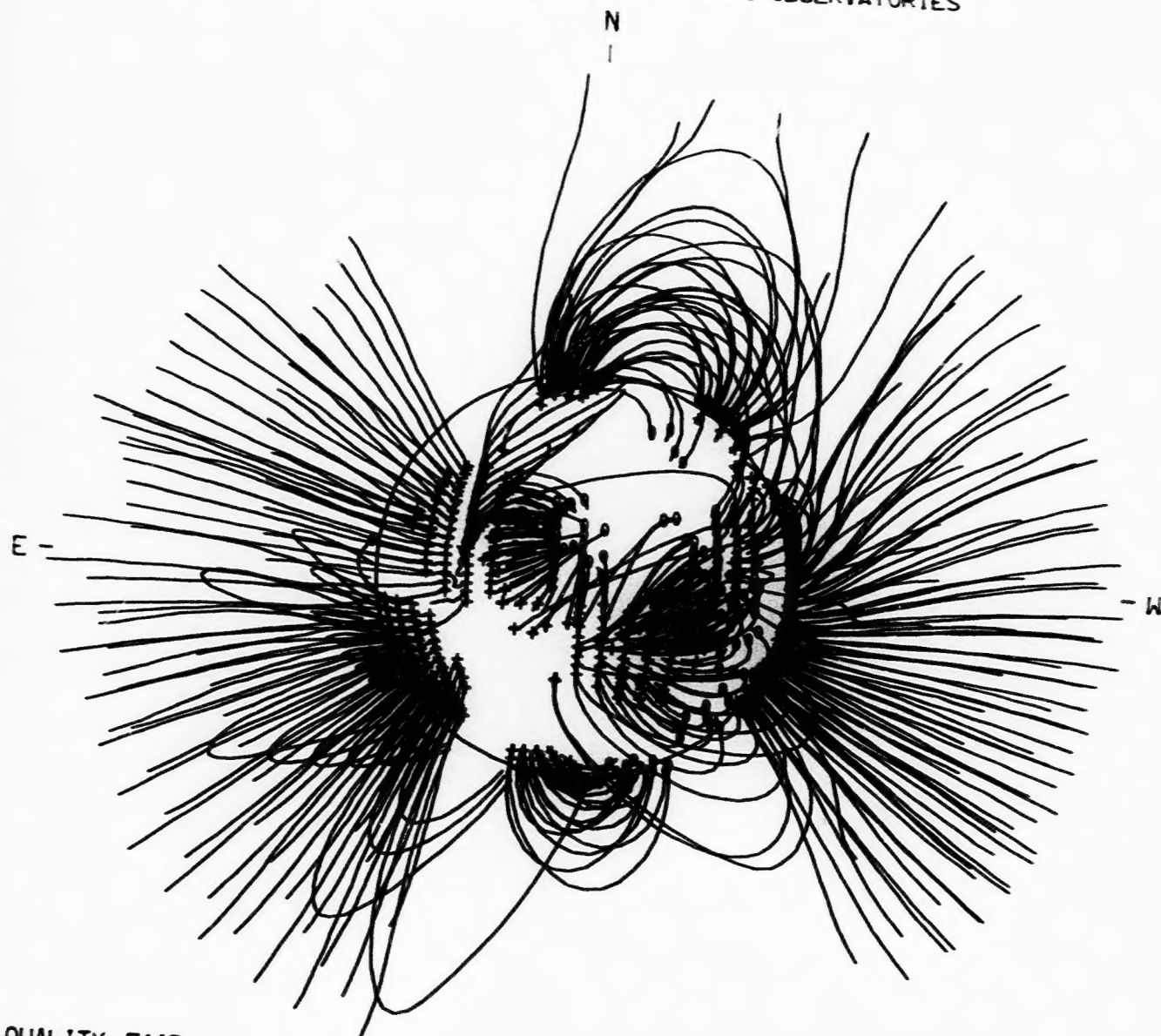
DATA WINDOW 1456.47

I
S

ROT. 1456 LONG. 70°

29.3 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

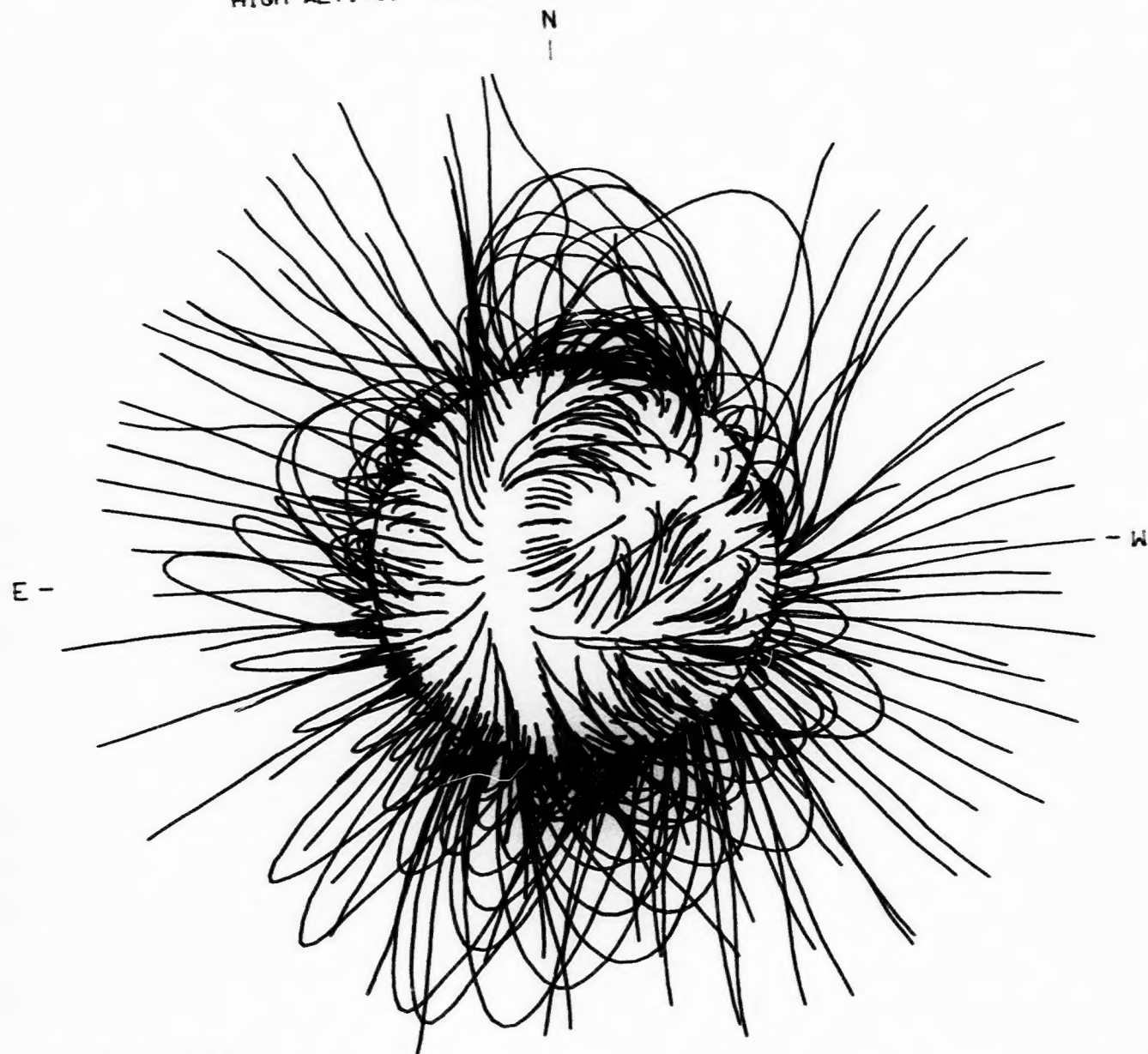


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

I
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ROT. 1456 LONG. 70°
29.3 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

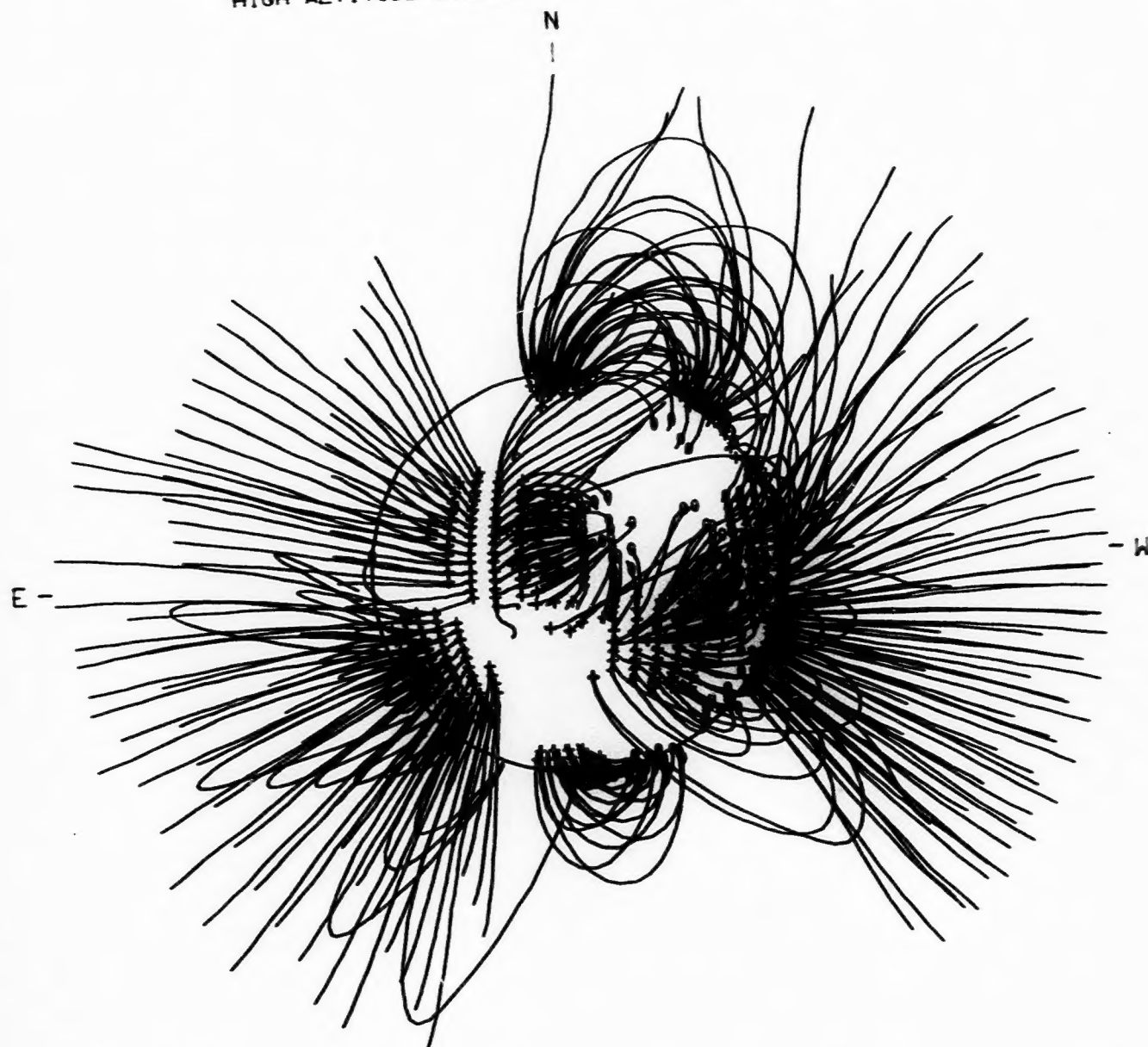


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

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S

ROT. 1456 LONG. 60°
30.1 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

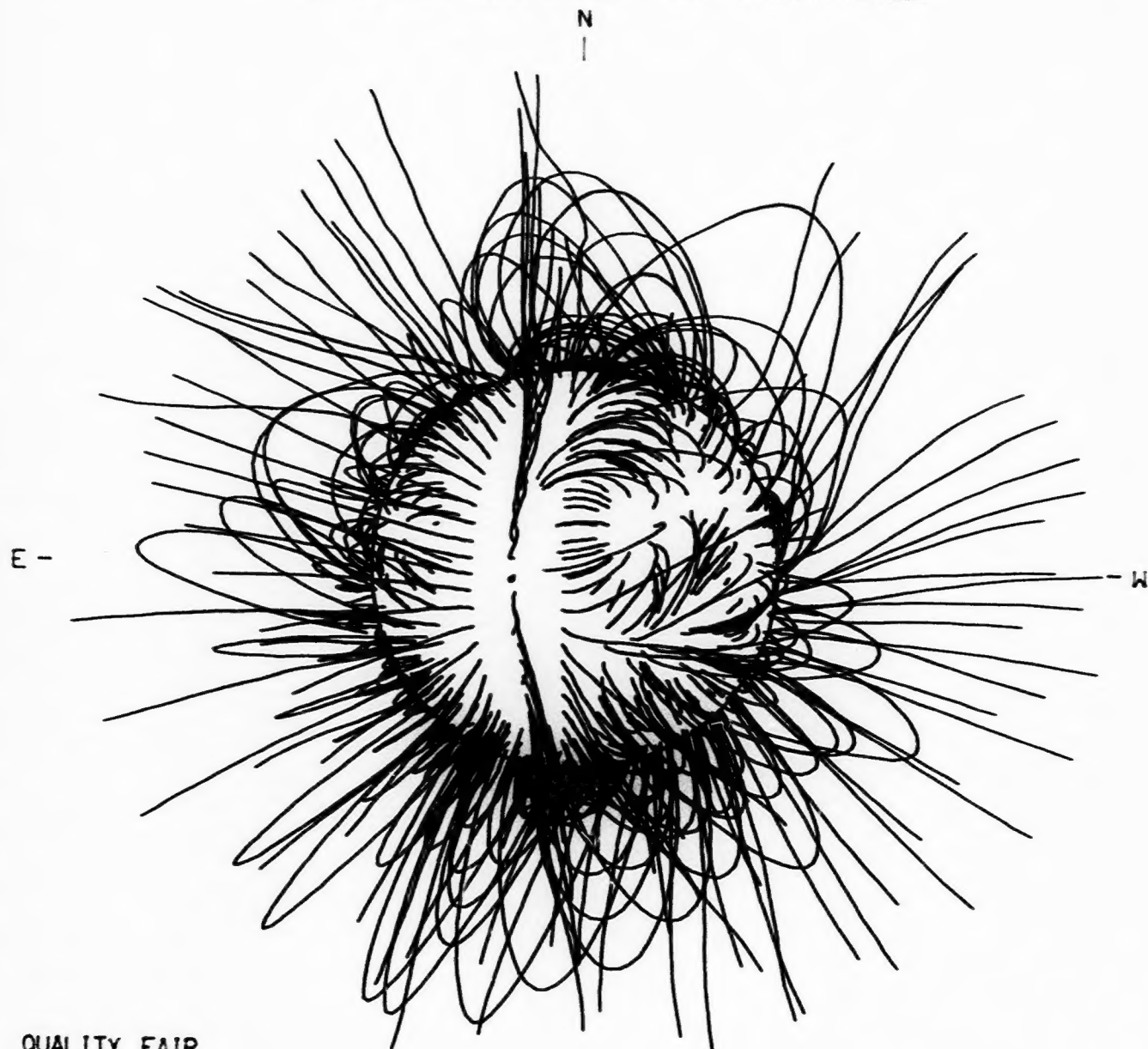


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

I
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ROT. 1456 LONG. 60°
30.1 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

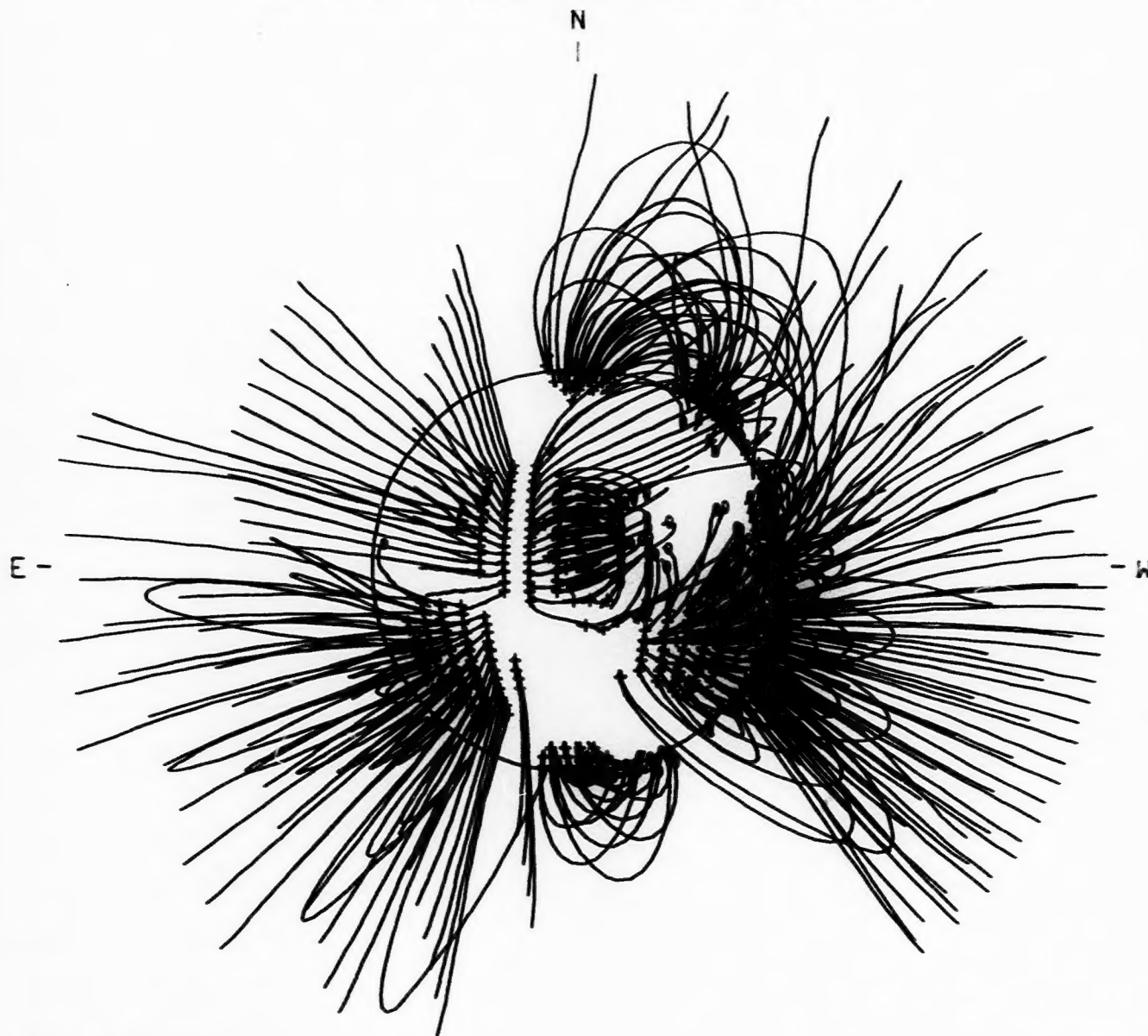


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

I
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ROT. 1456 LONG. 50°
30.8 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

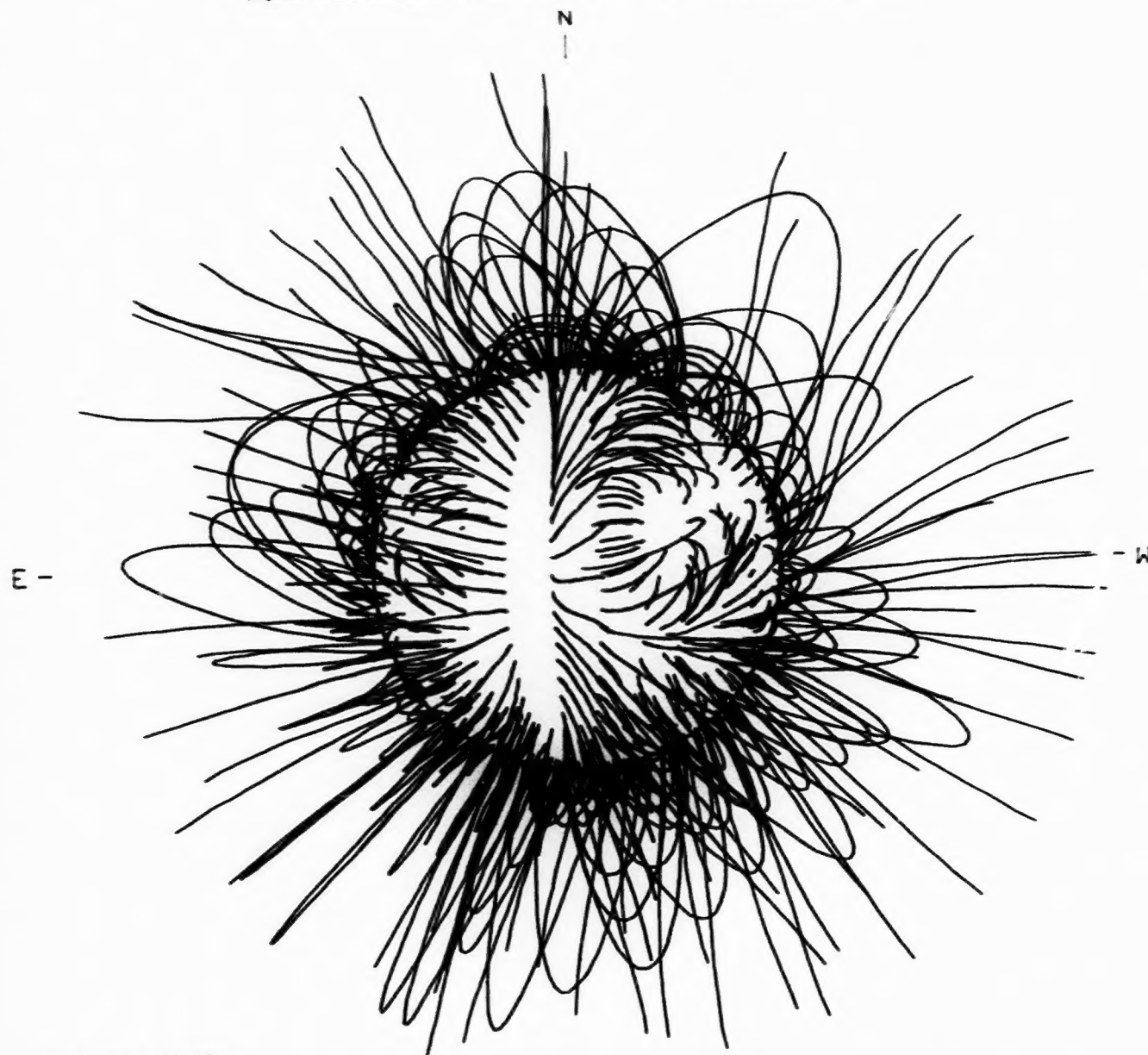


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

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ROT. 1456 LONG. 50°
30.8 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

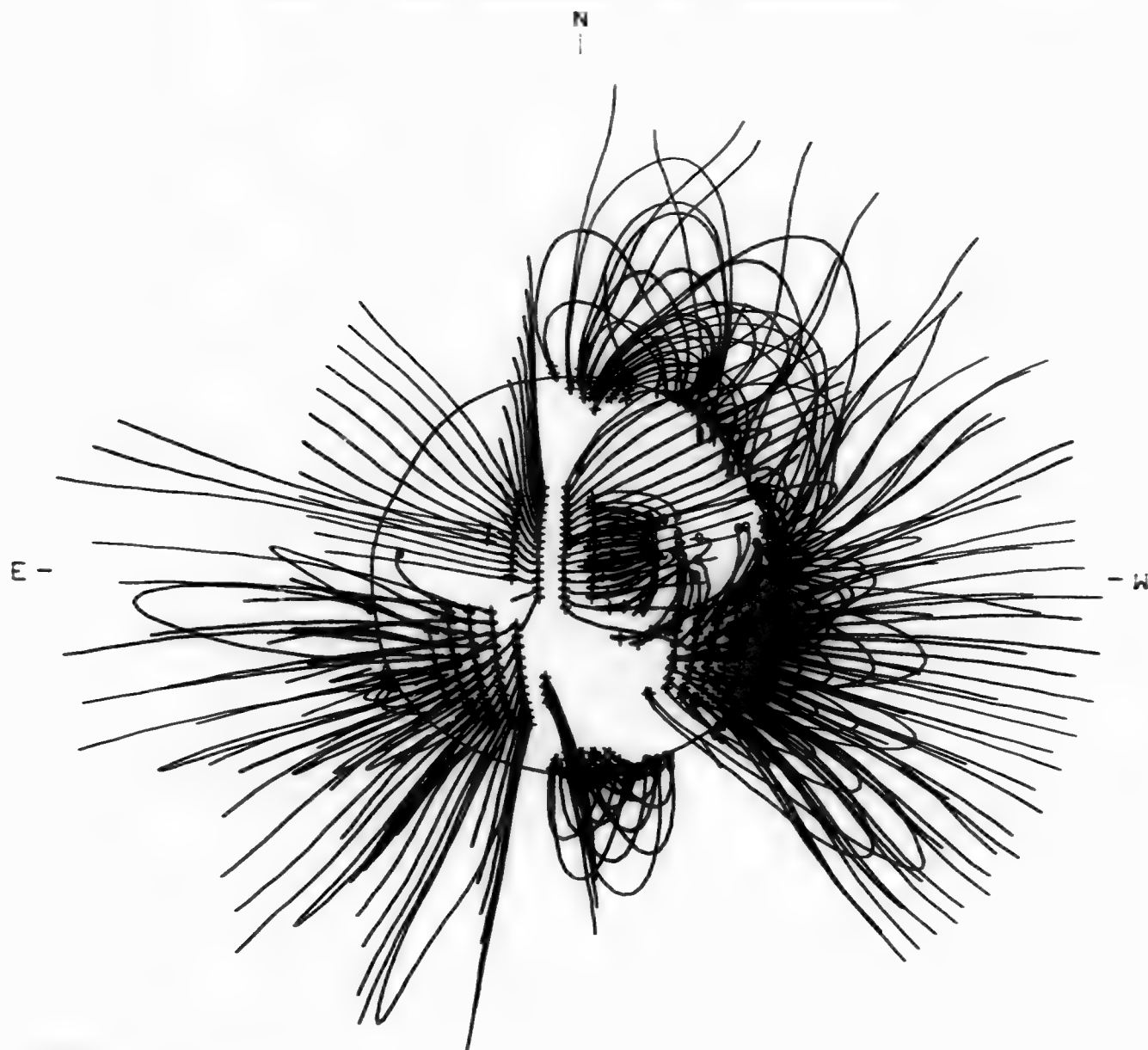


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

I
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ROT. 1456 LONG. 40°
31.6 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

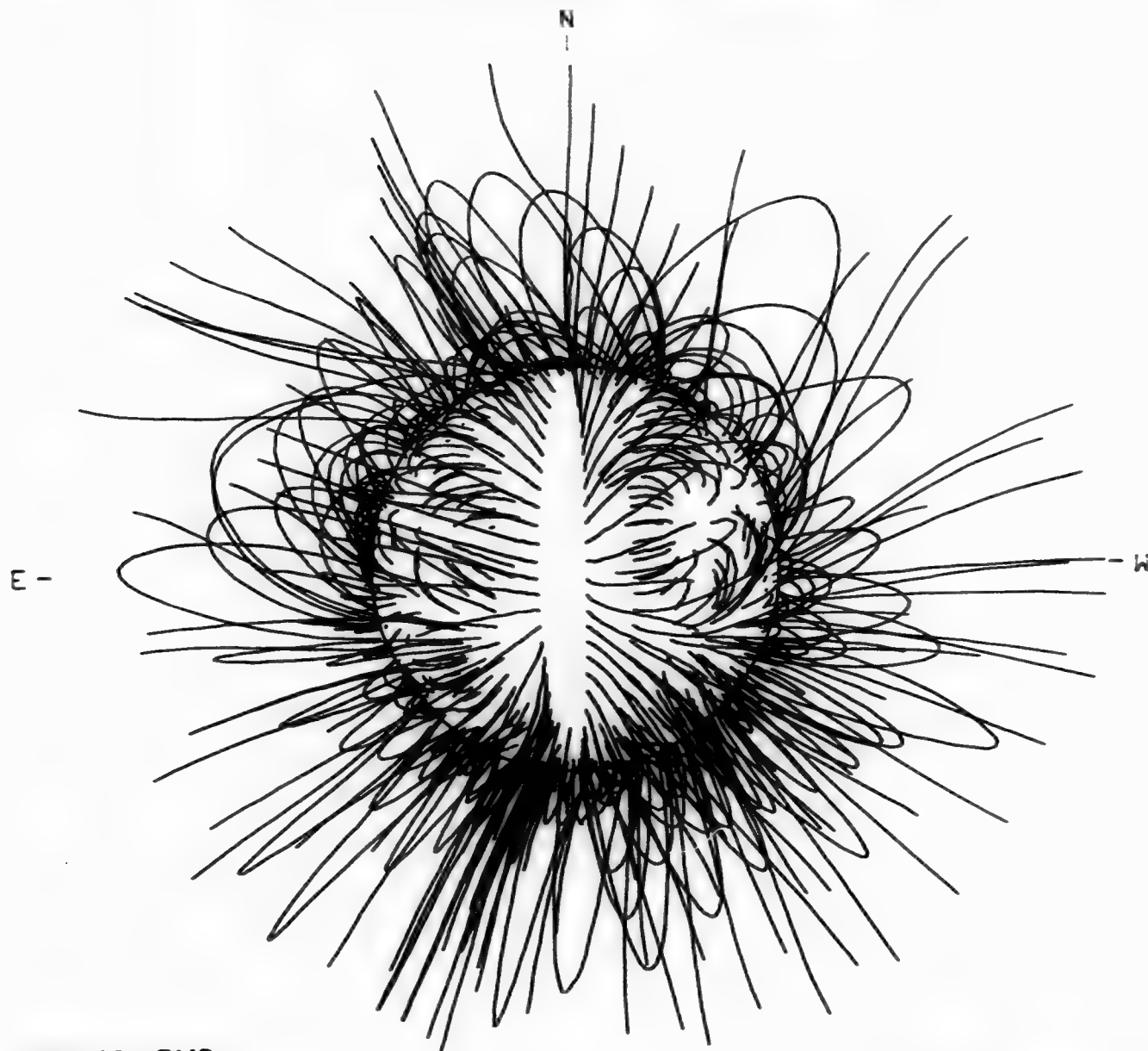


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

I
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ROT. 1456 LONG. 40°
31.6 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

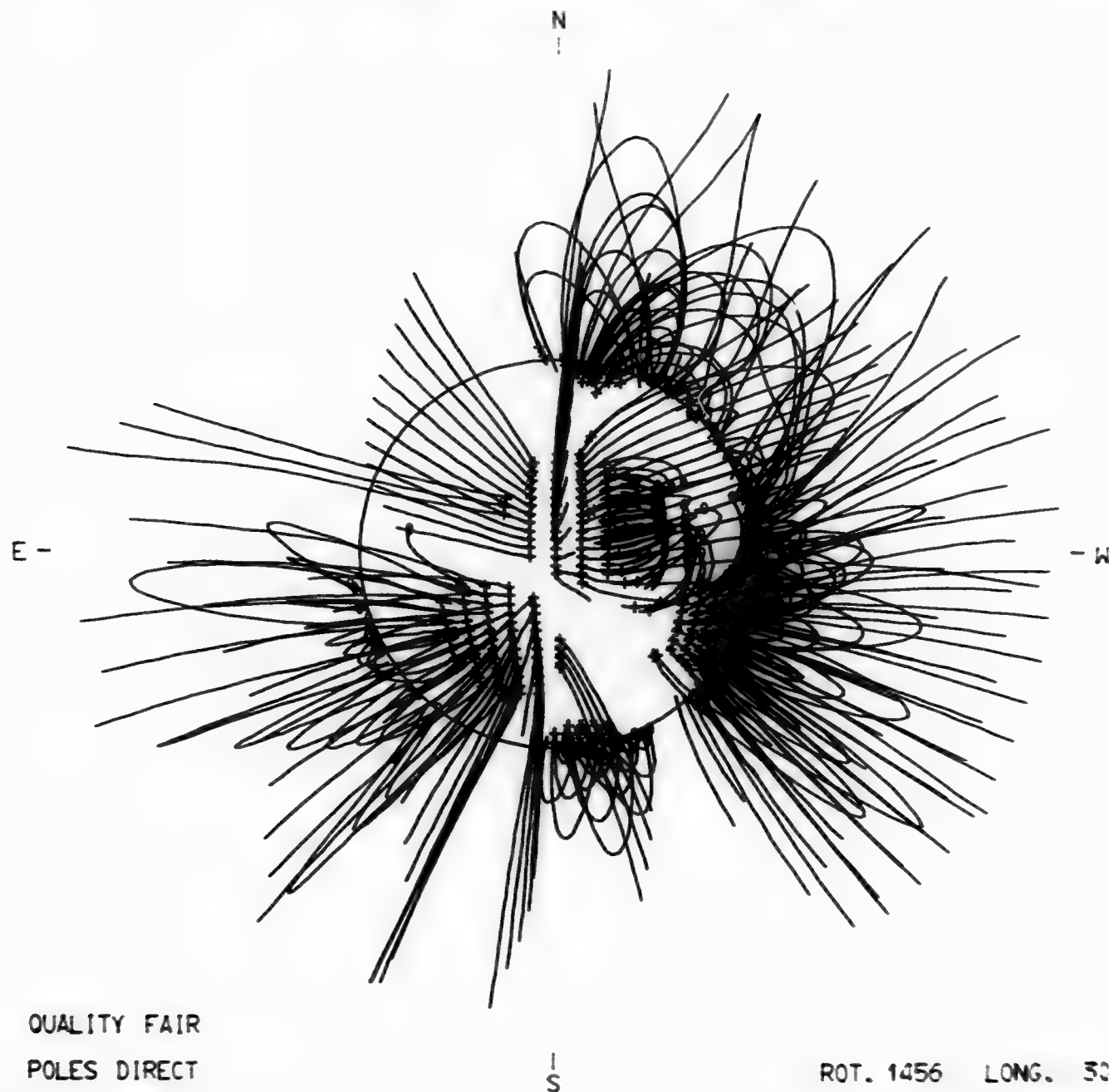


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

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ROT. 1456 LONG. 30°
1.3 AUG 1962

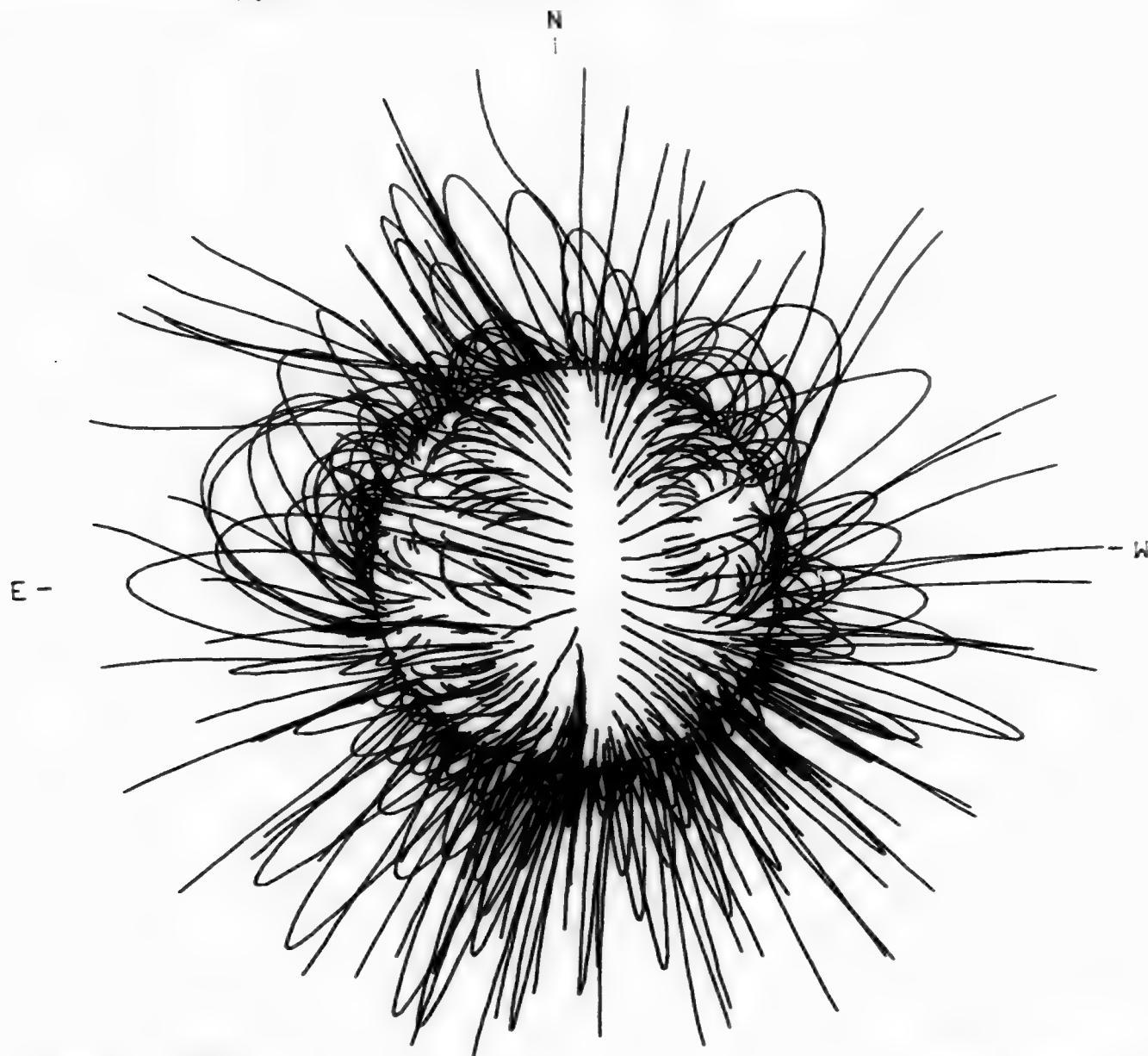
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

ROT. 1456 LONG. 30°
1.3 AUG 1962

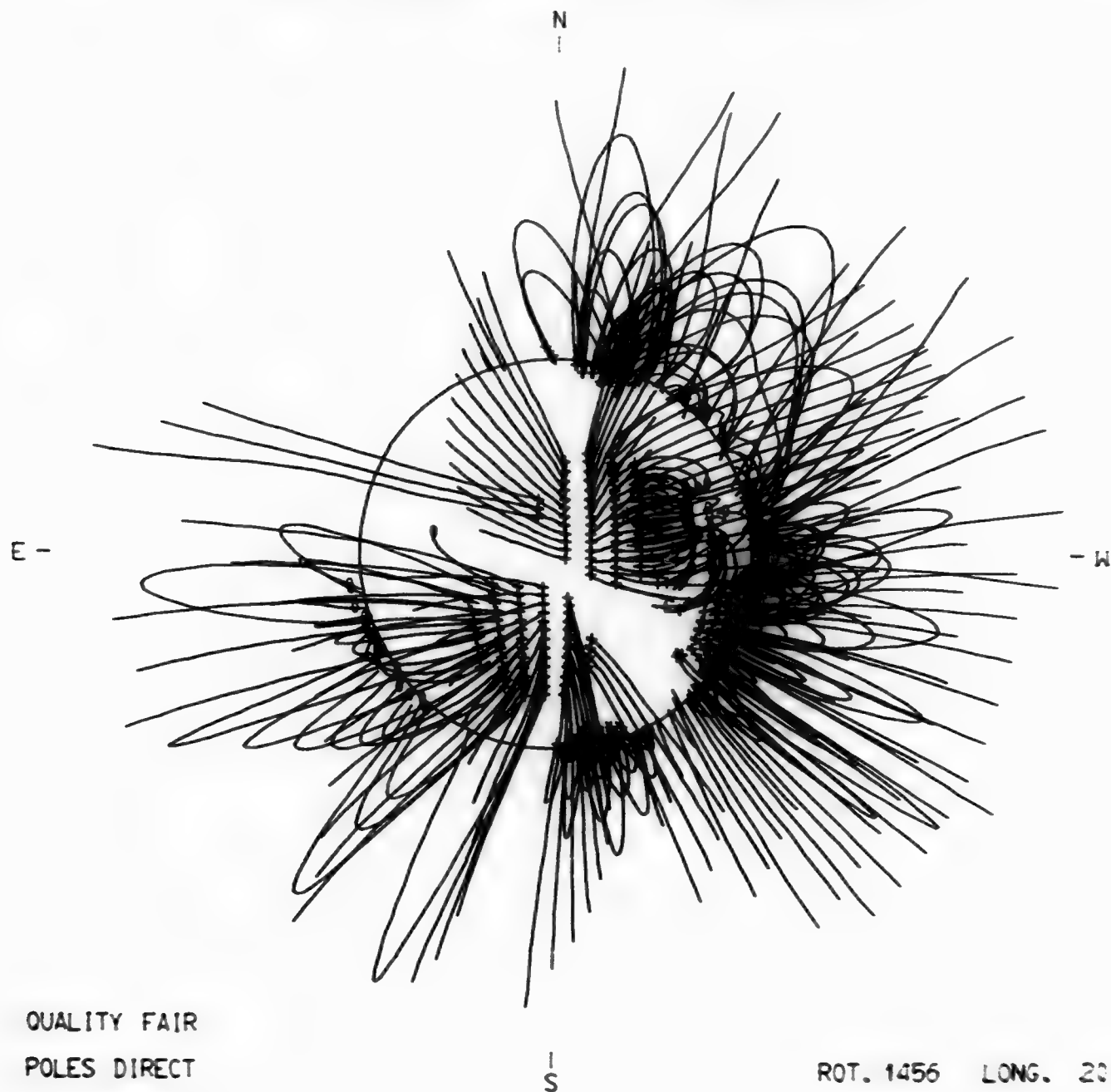
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

ROT. 1456 LONG. 20°
2.1 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

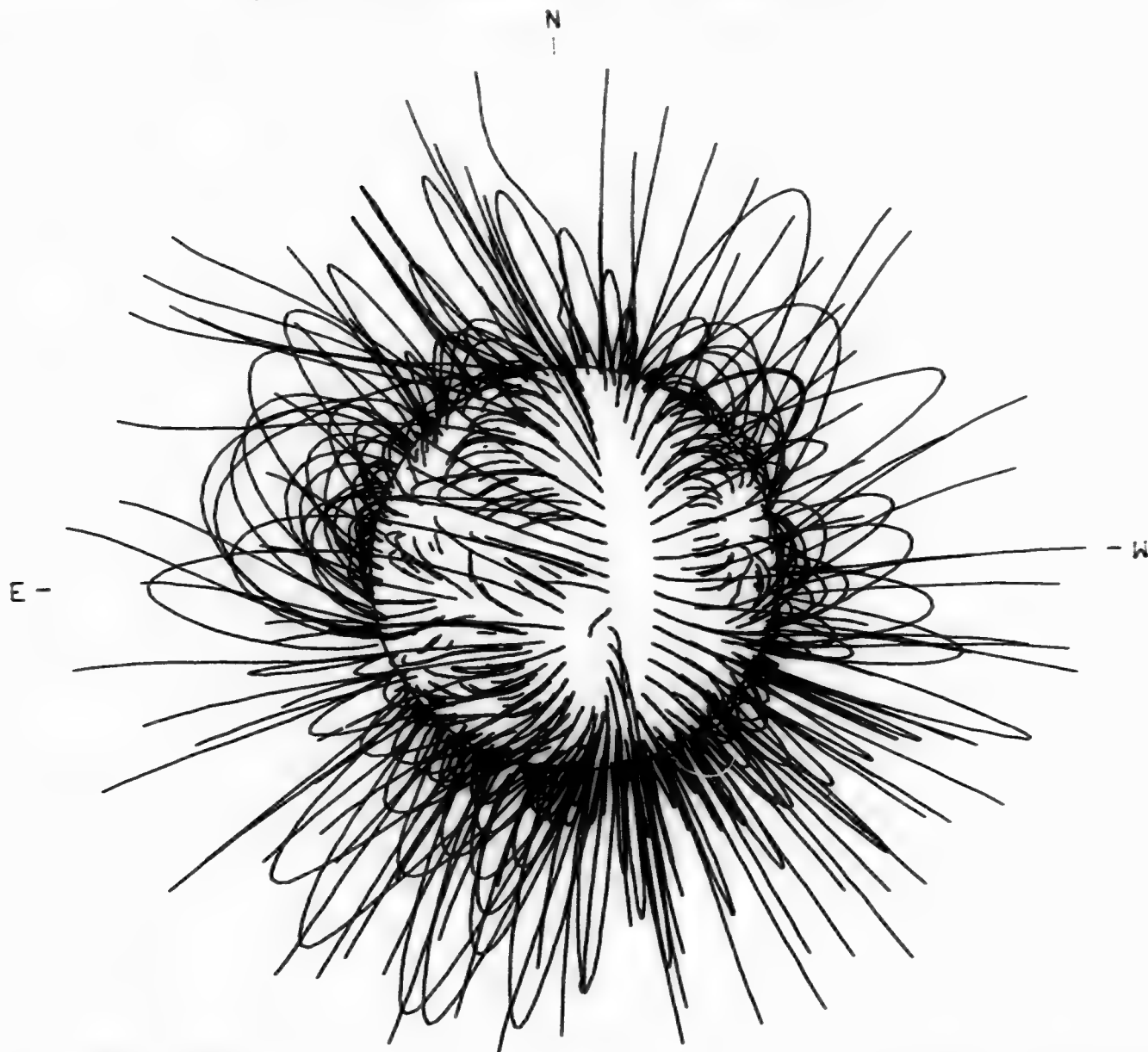
POLES DIRECT

DATA WINDOW 1456.47

ROT. 1456 LONG. 20°

2.1 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

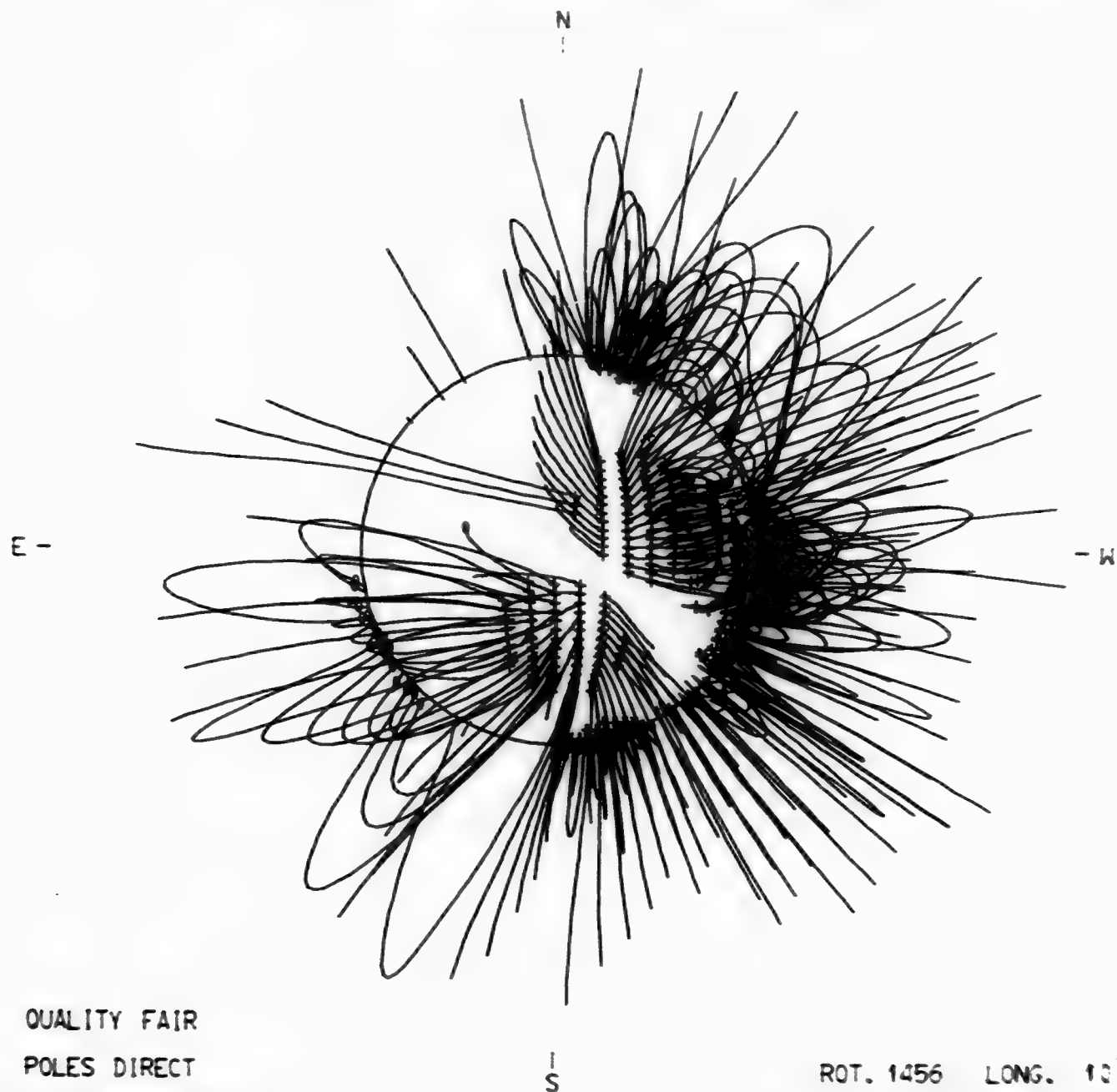


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

I
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ROT. 1456 LONG. 10°
2.8 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

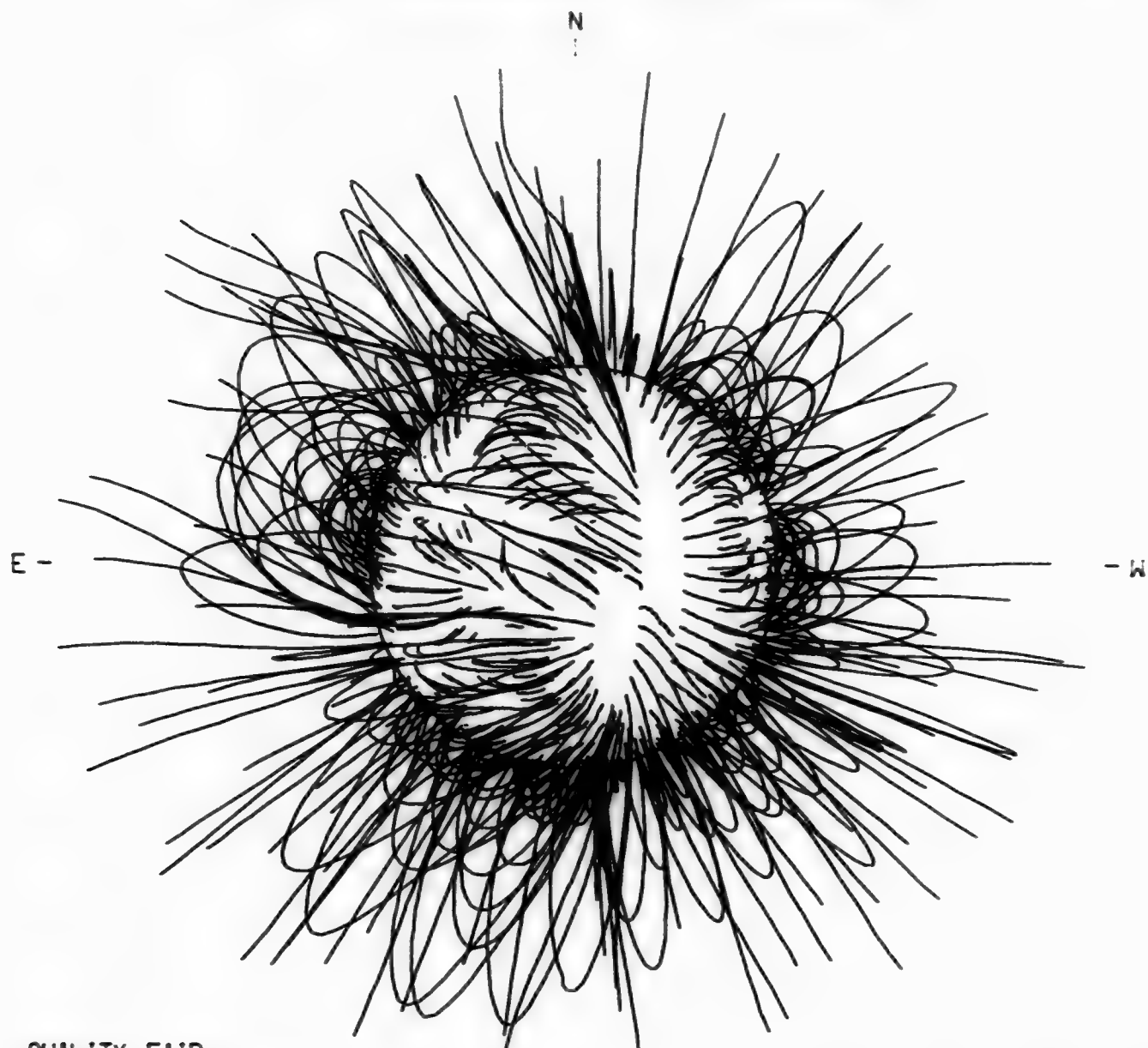
POLES DIRECT

DATA WINDOW 1456.47

ROT. 1456 LONG. 13°

2.8 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

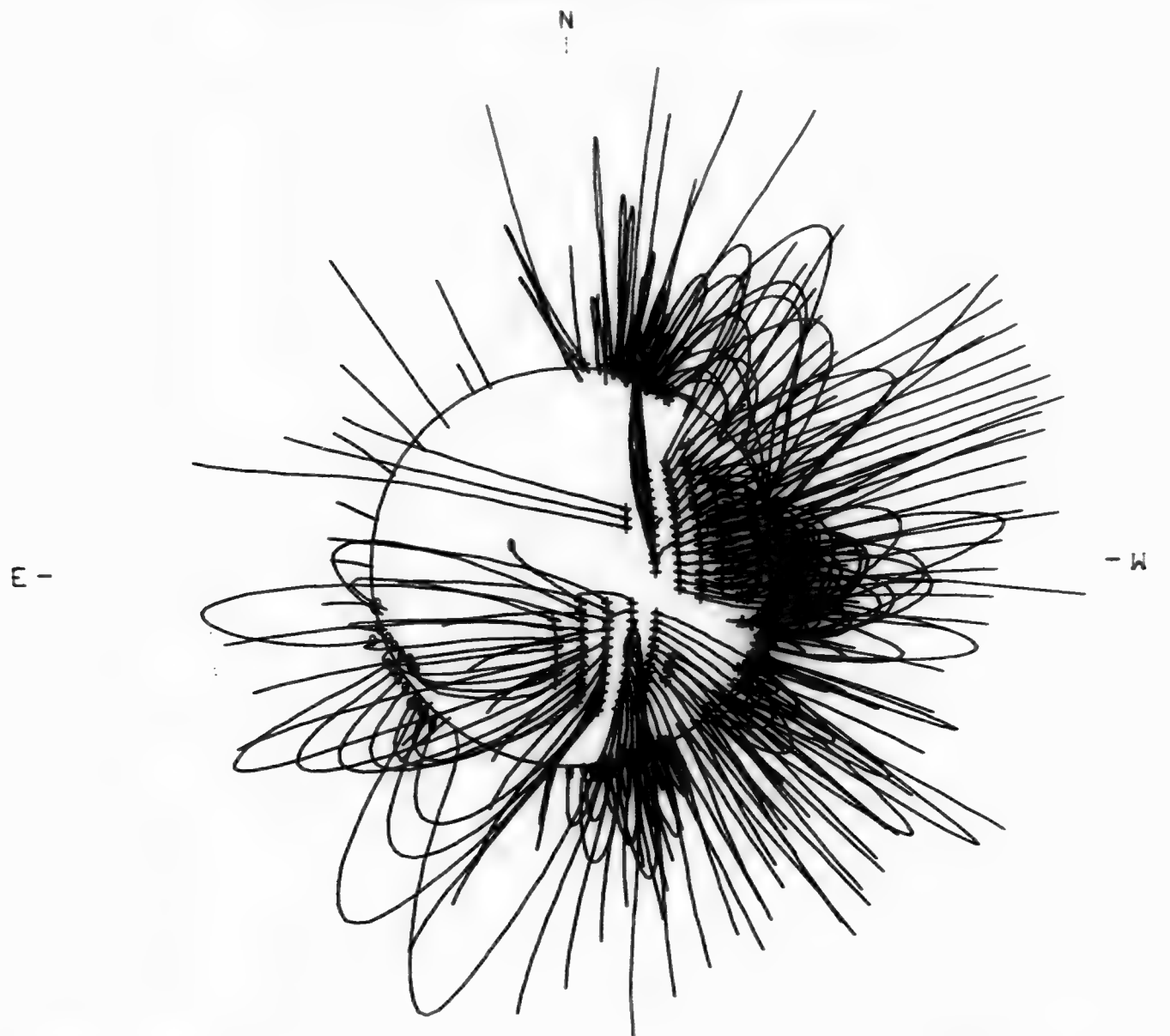
DATA WINDOW 1456.47

I
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ROT. 1456 LONG. 2°

3.6 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

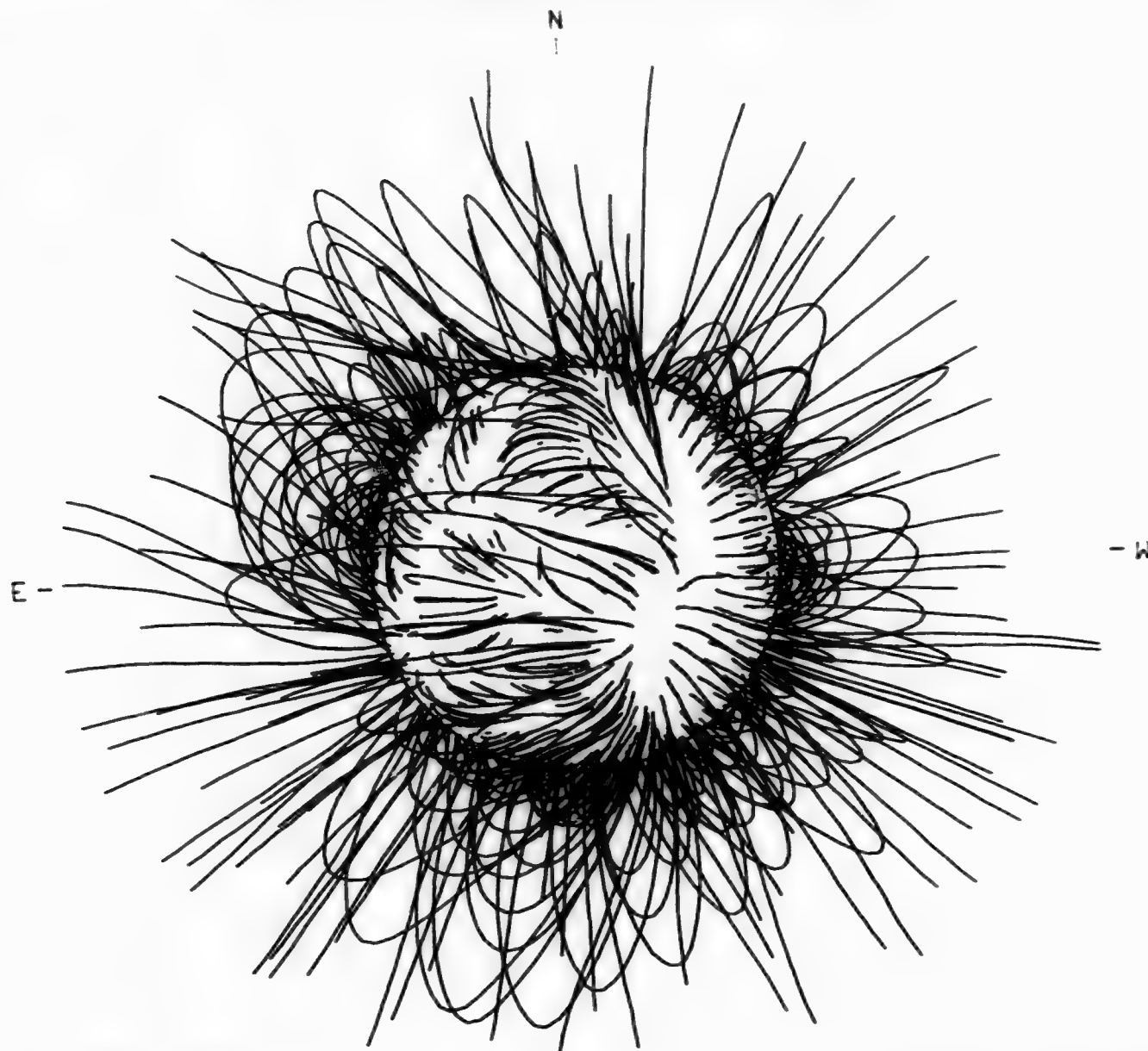


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

I
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ROT. 1456 LONG. 3°
3.6 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

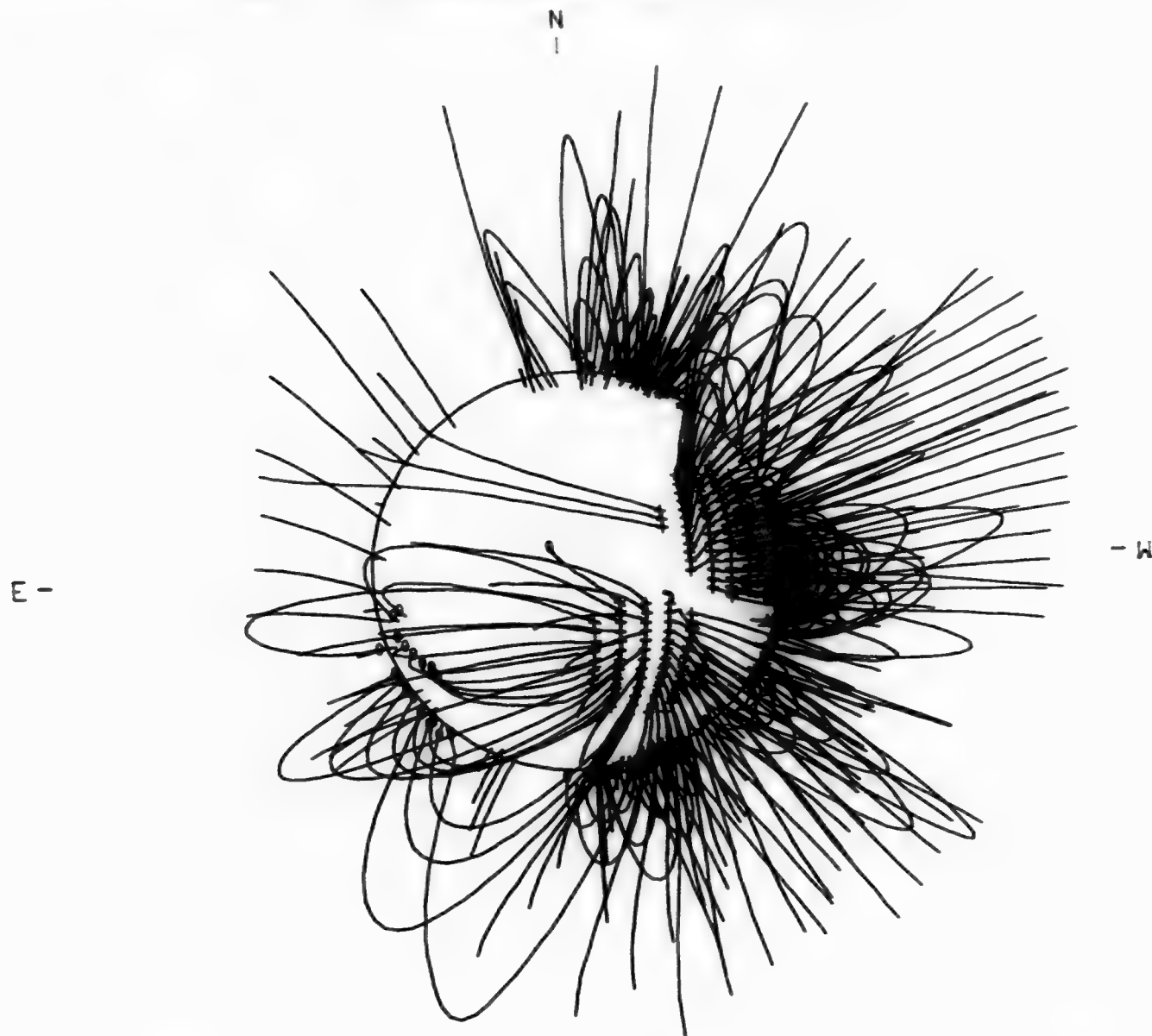


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

I
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ROT. 1457 LONG. 350°
4.4 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

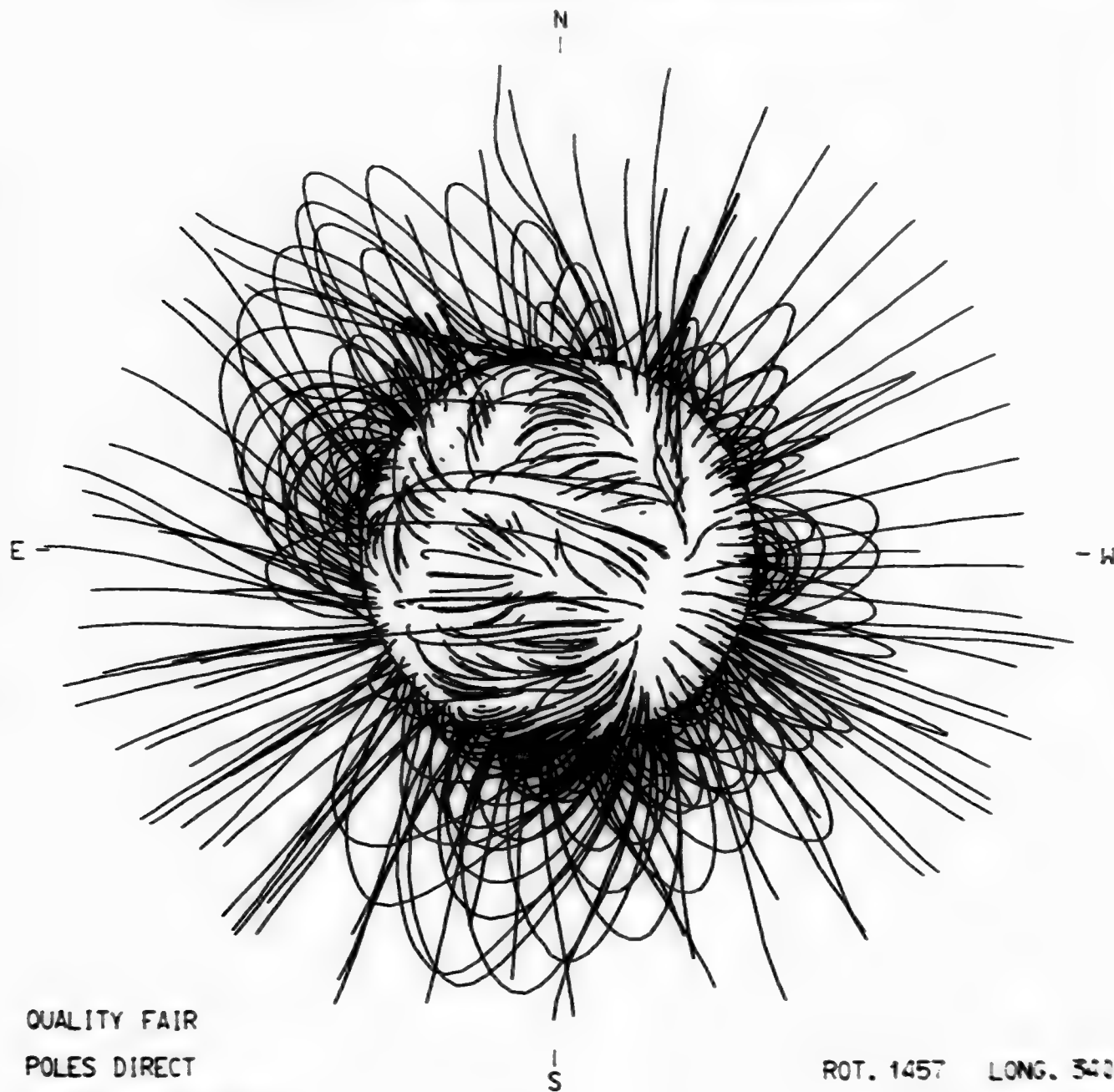


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

I
S

ROT. 1457 LONG. 350°
4.4 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

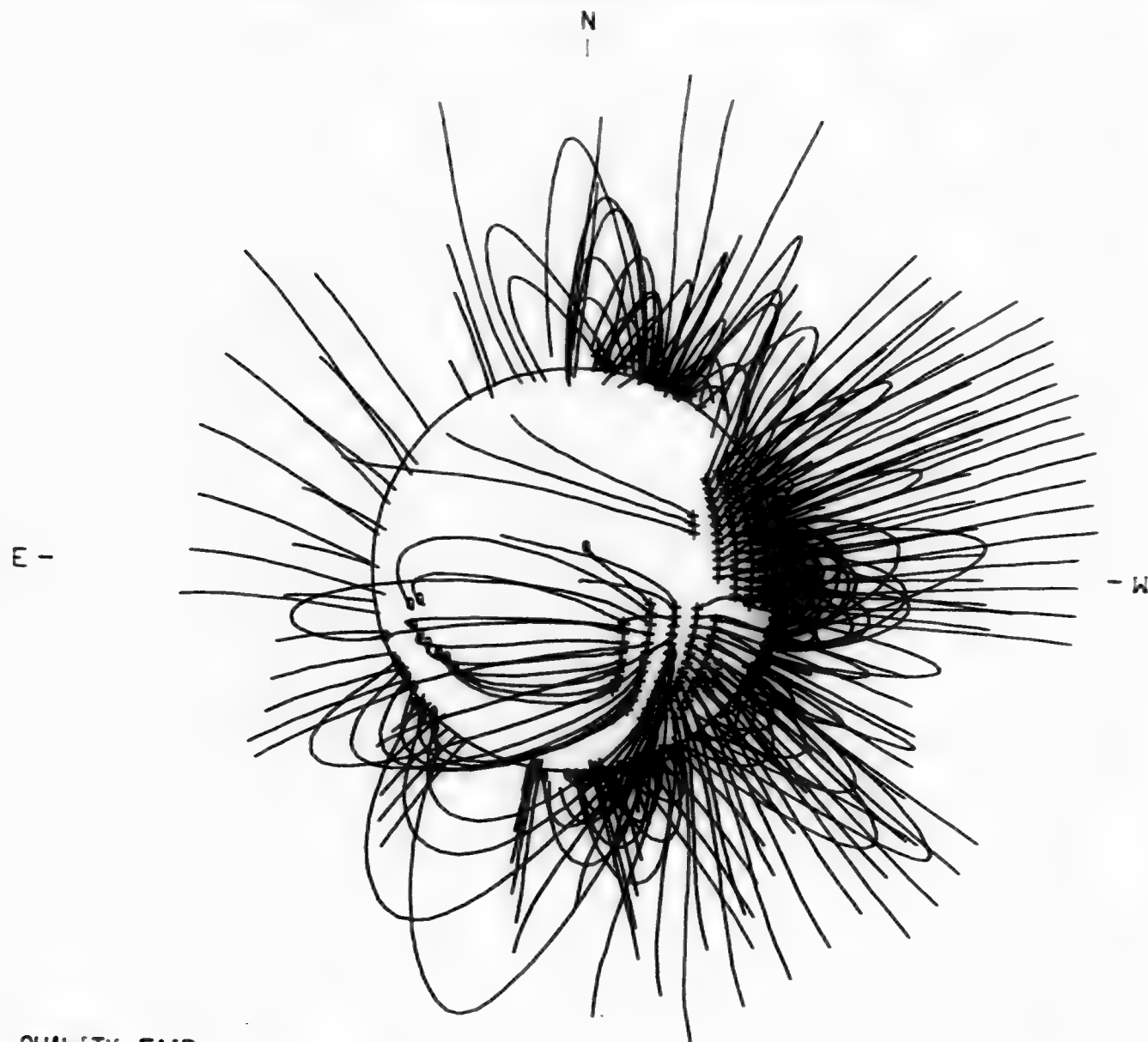
POLES DIRECT

DATA WINDOW 1456.47

ROT. 1457 LONG. 320°

5.1 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

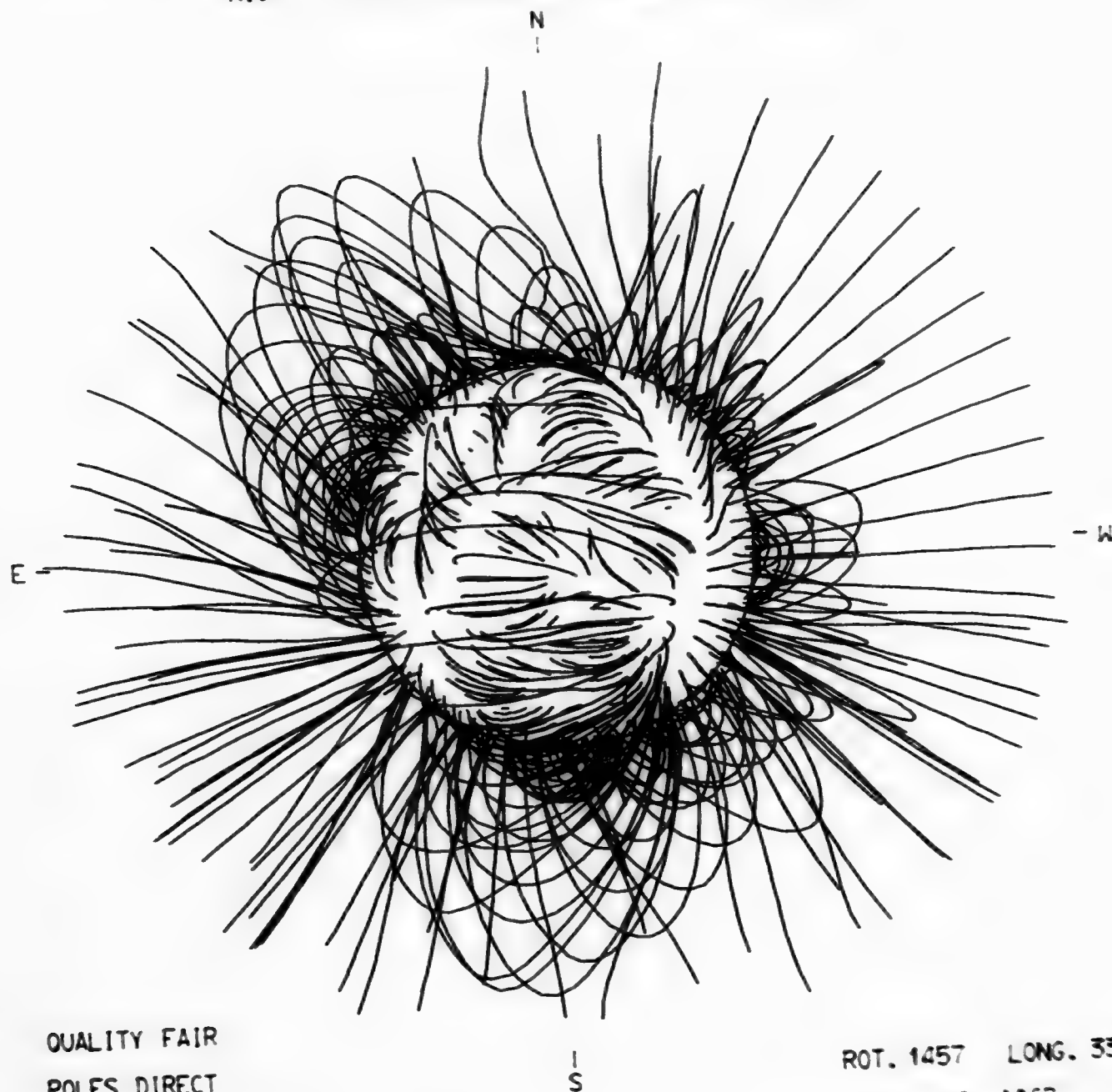
DATA WINDOW 1456.47

S

ROT. 1457 LONG. 320°

5.1 AUG 1962

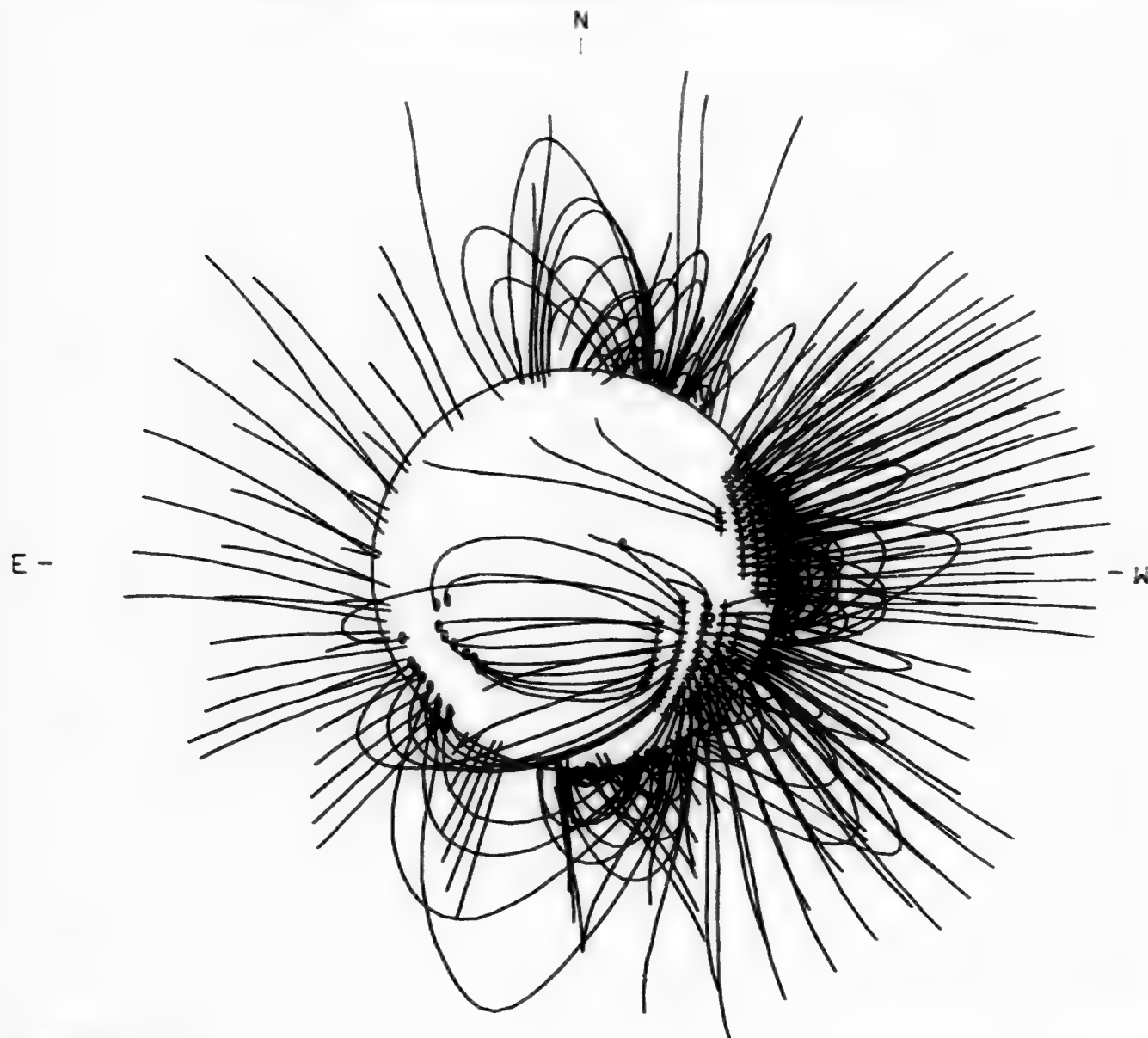
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

ROT. 1457 LONG. 330°
5.9 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

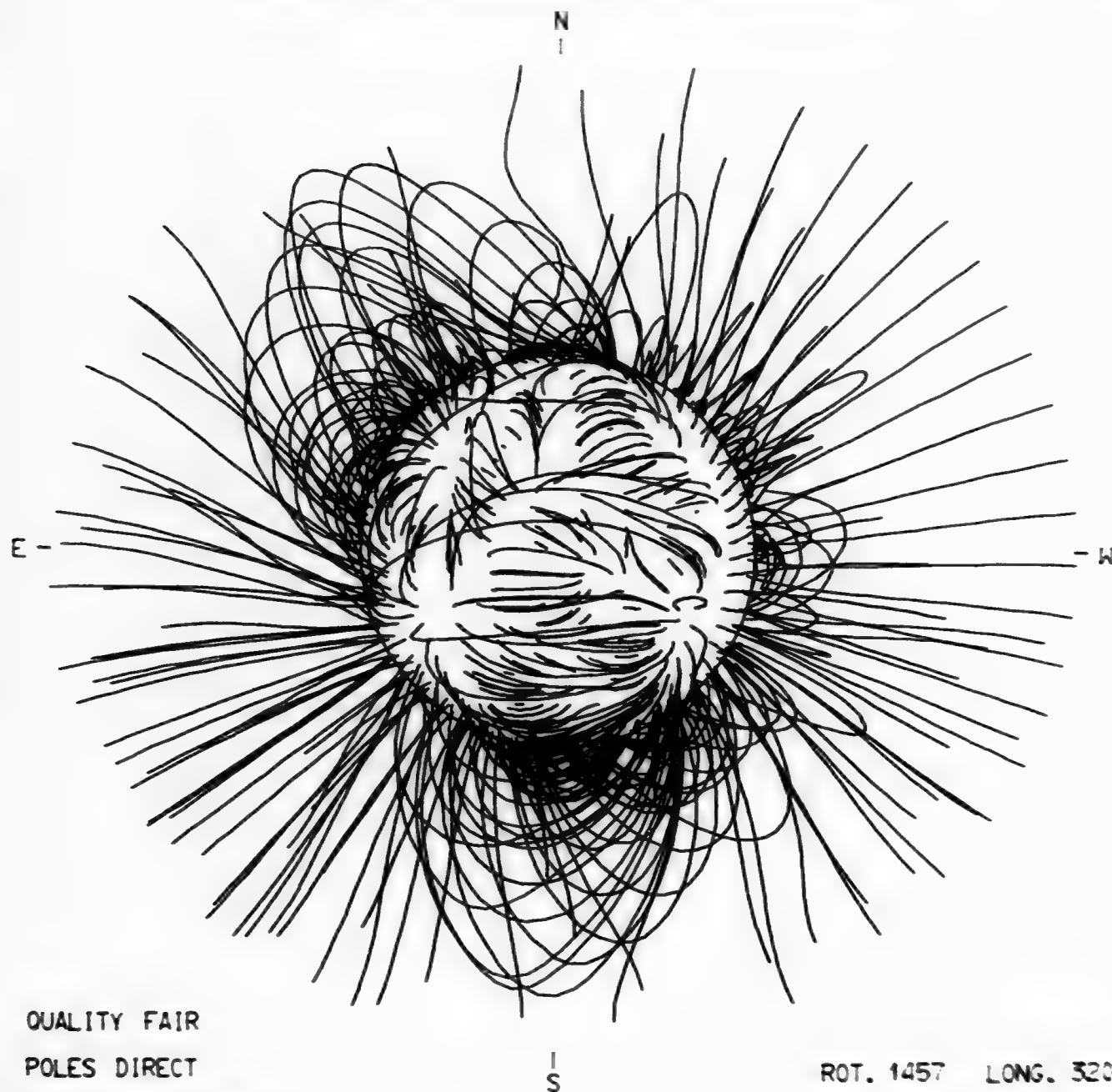
DATA WINDOW 1456.47

I
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ROT. 1457 LONG. 330°

5.9 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

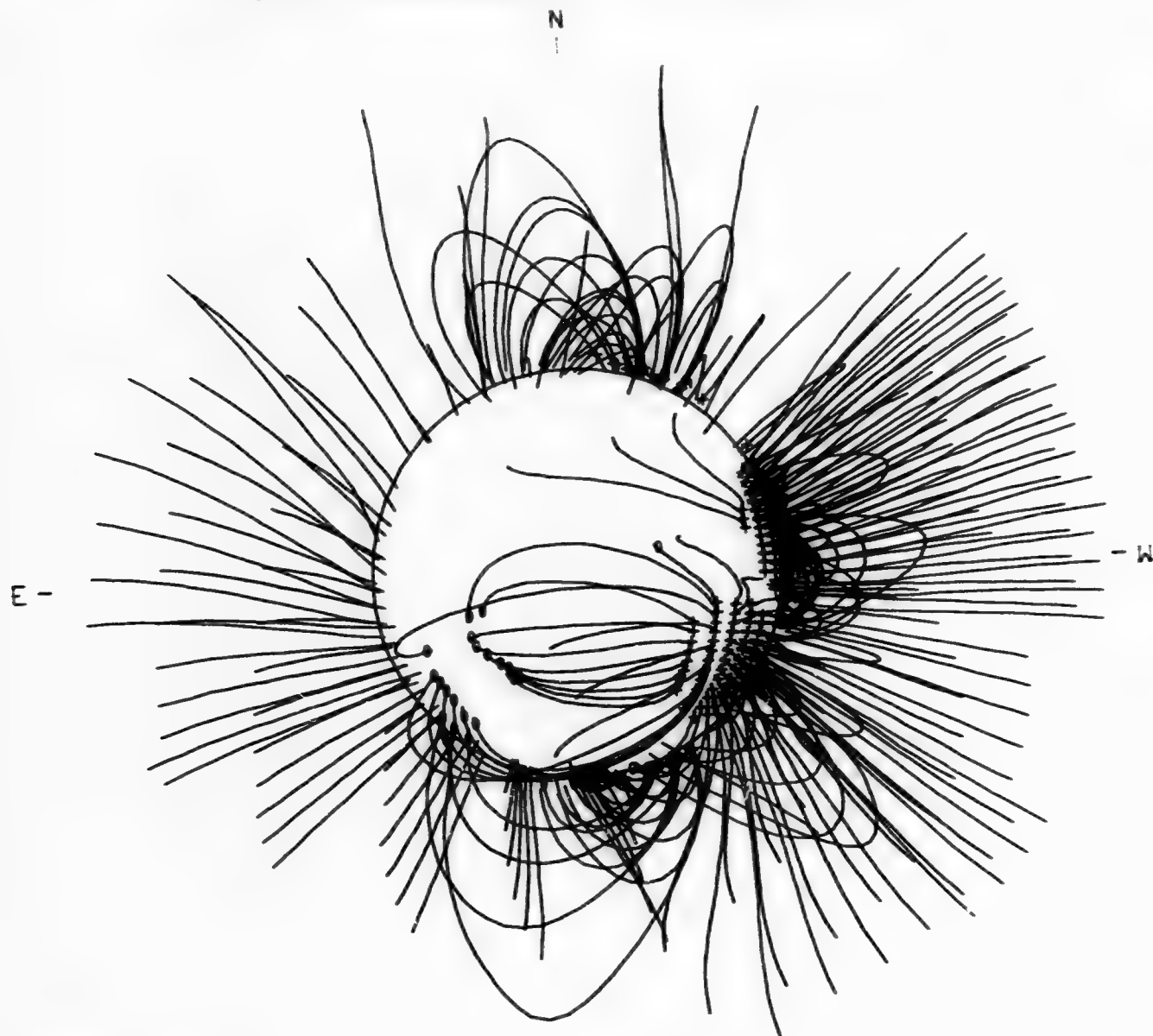
POLES DIRECT

DATA WINDOW 1456.47

ROT. 1457 LONG. 320°

6.6 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

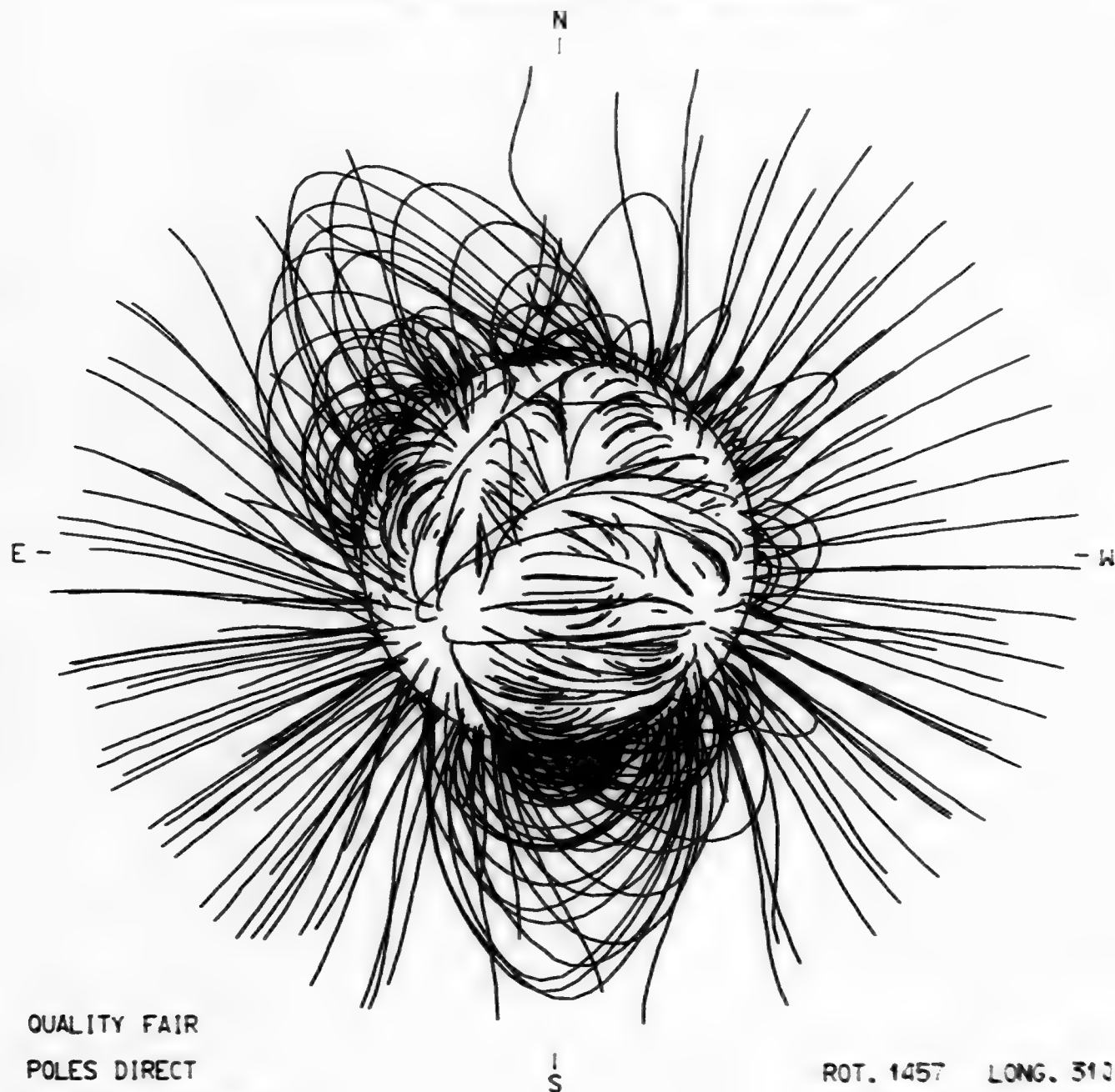


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

I
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ROT. 1457 LONG. 320°
6.6 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

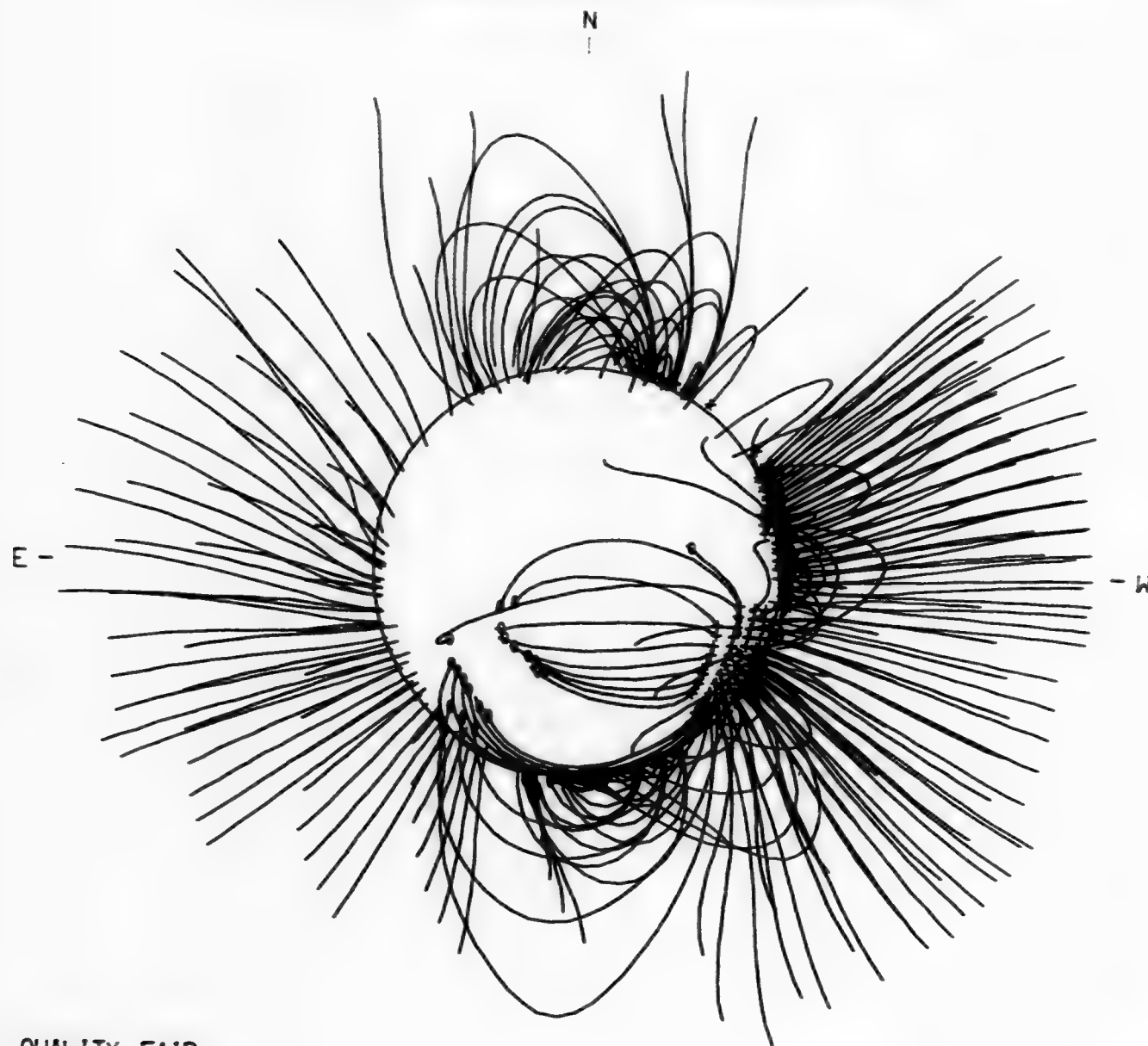
DATA WINDOW 1456.47

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ROT. 1457 LONG. 310°

7.4 AUG 1962

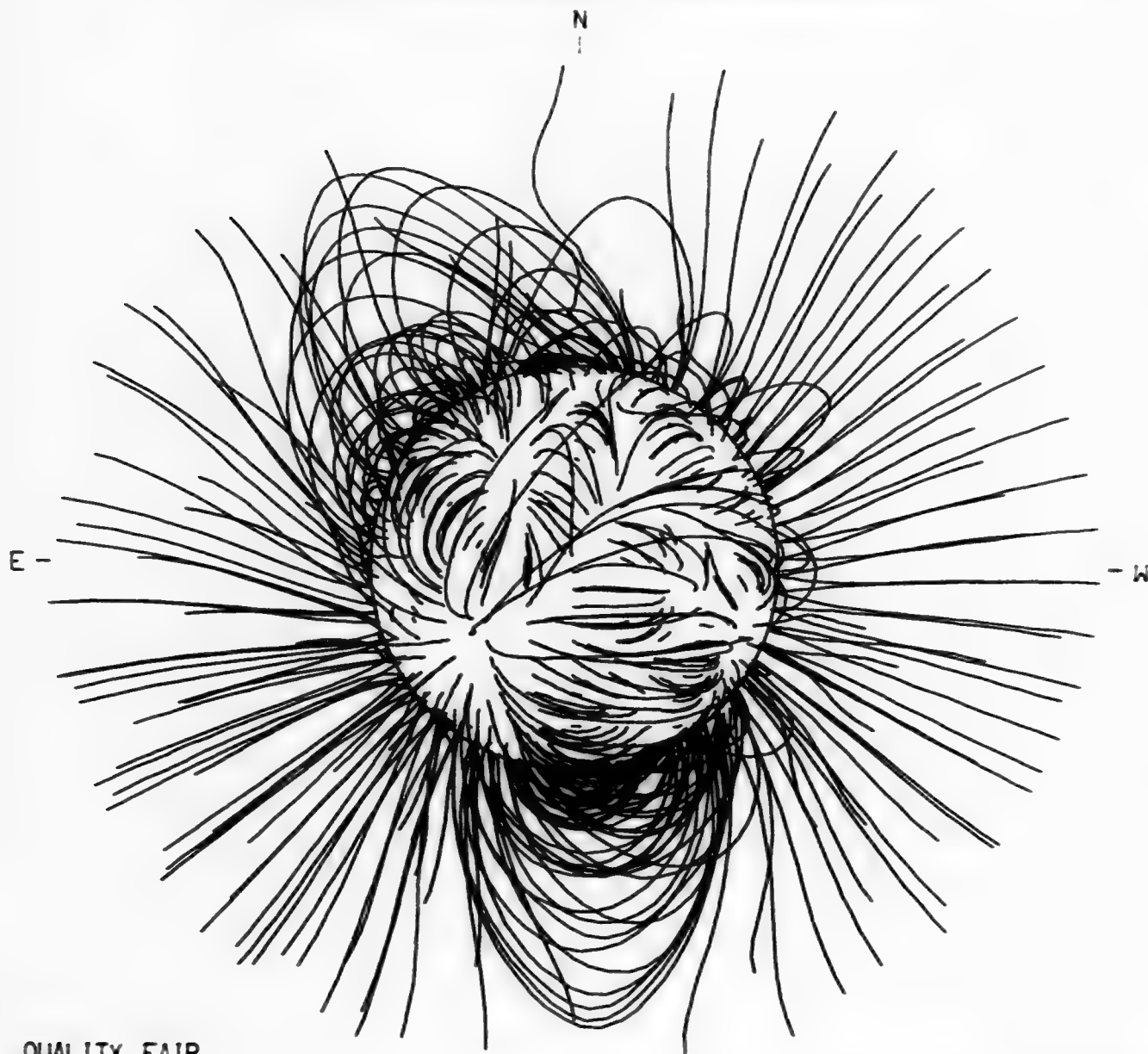
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

ROT. 1457 LONG. 310°
7.4 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

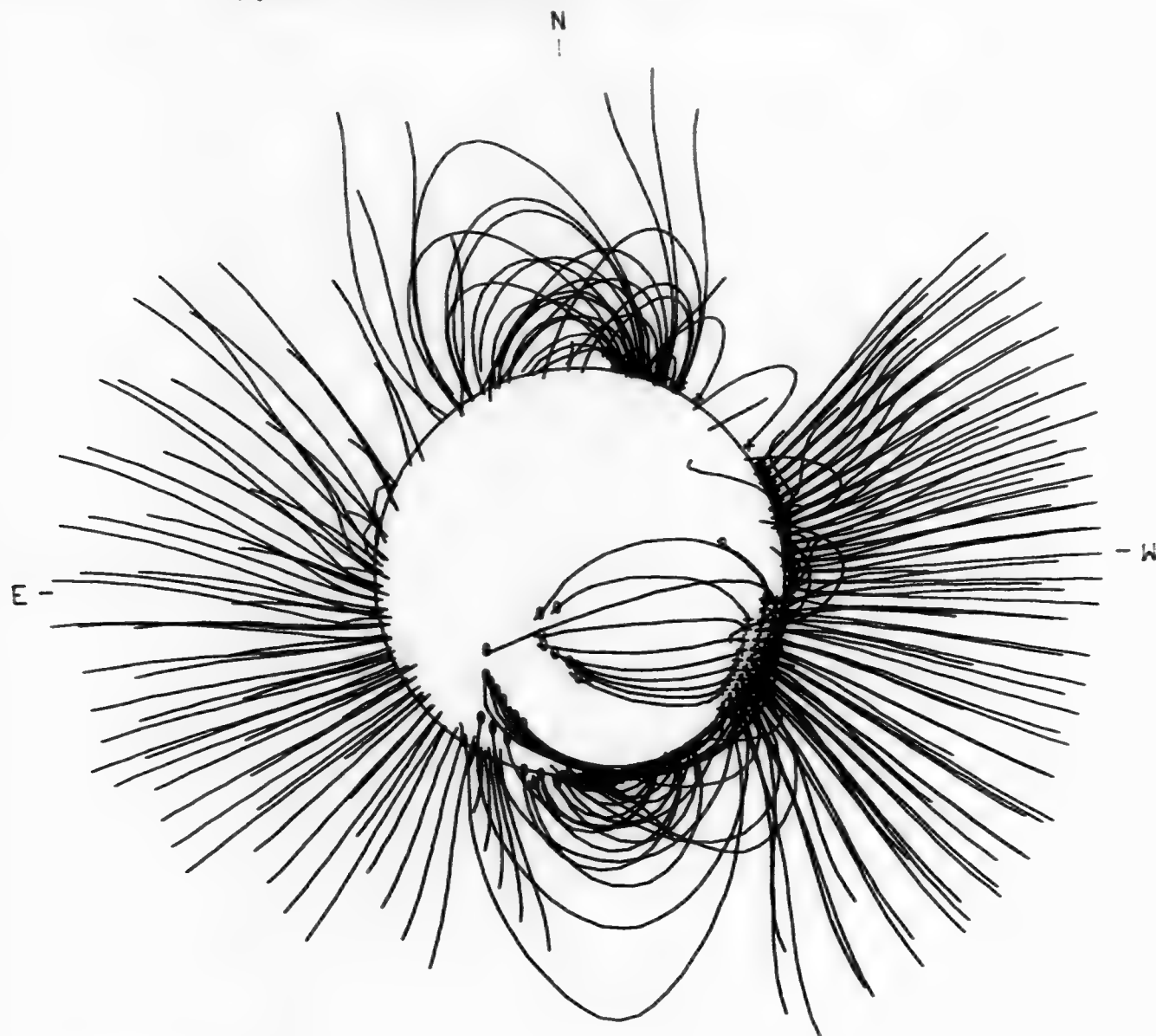
DATA WINDOW 1456.47

I
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ROT. 1457 LONG. 320°

8.1 AUG 1962

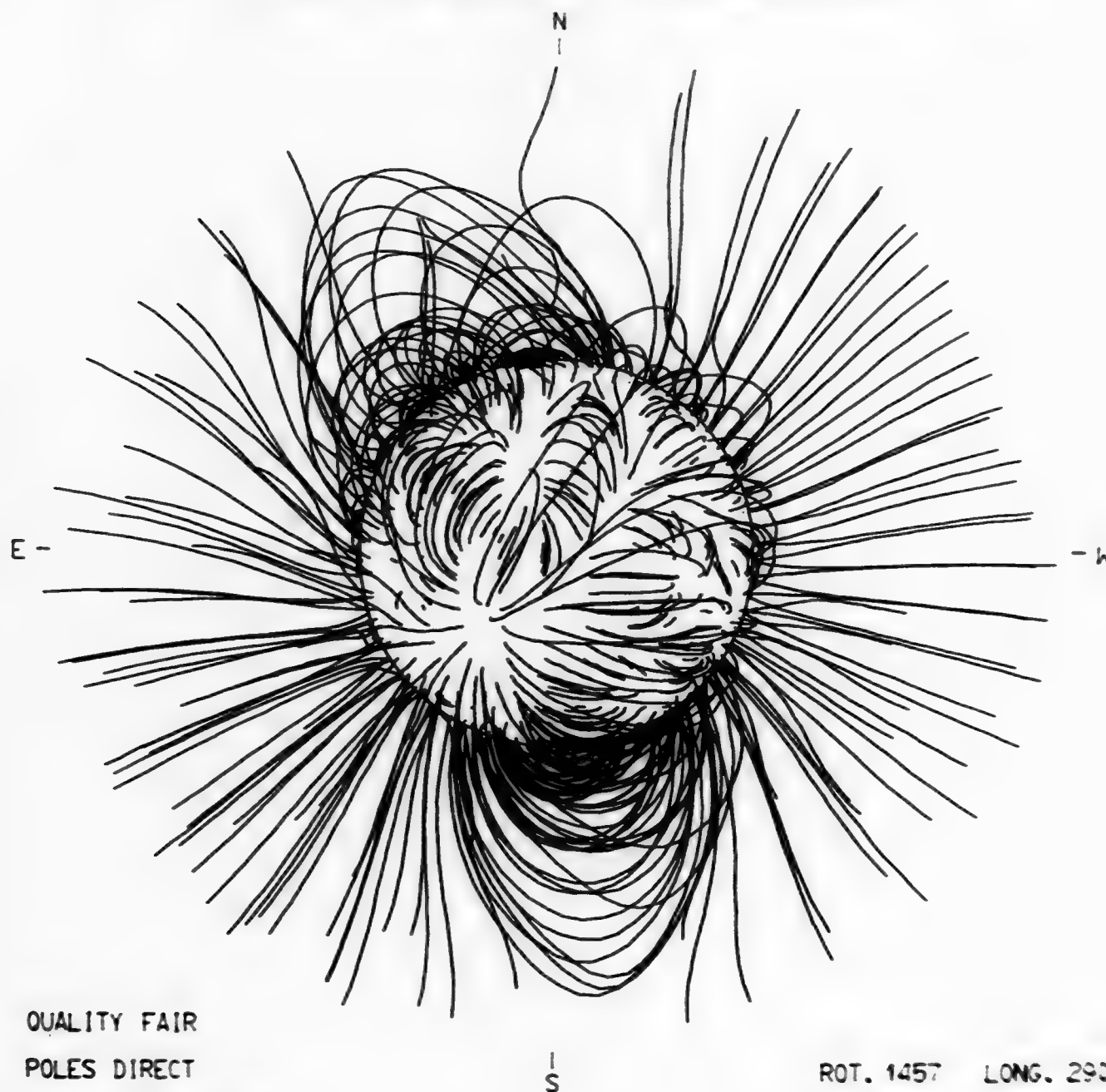
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

ROT. 1457 LONG. 300°
8.1 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

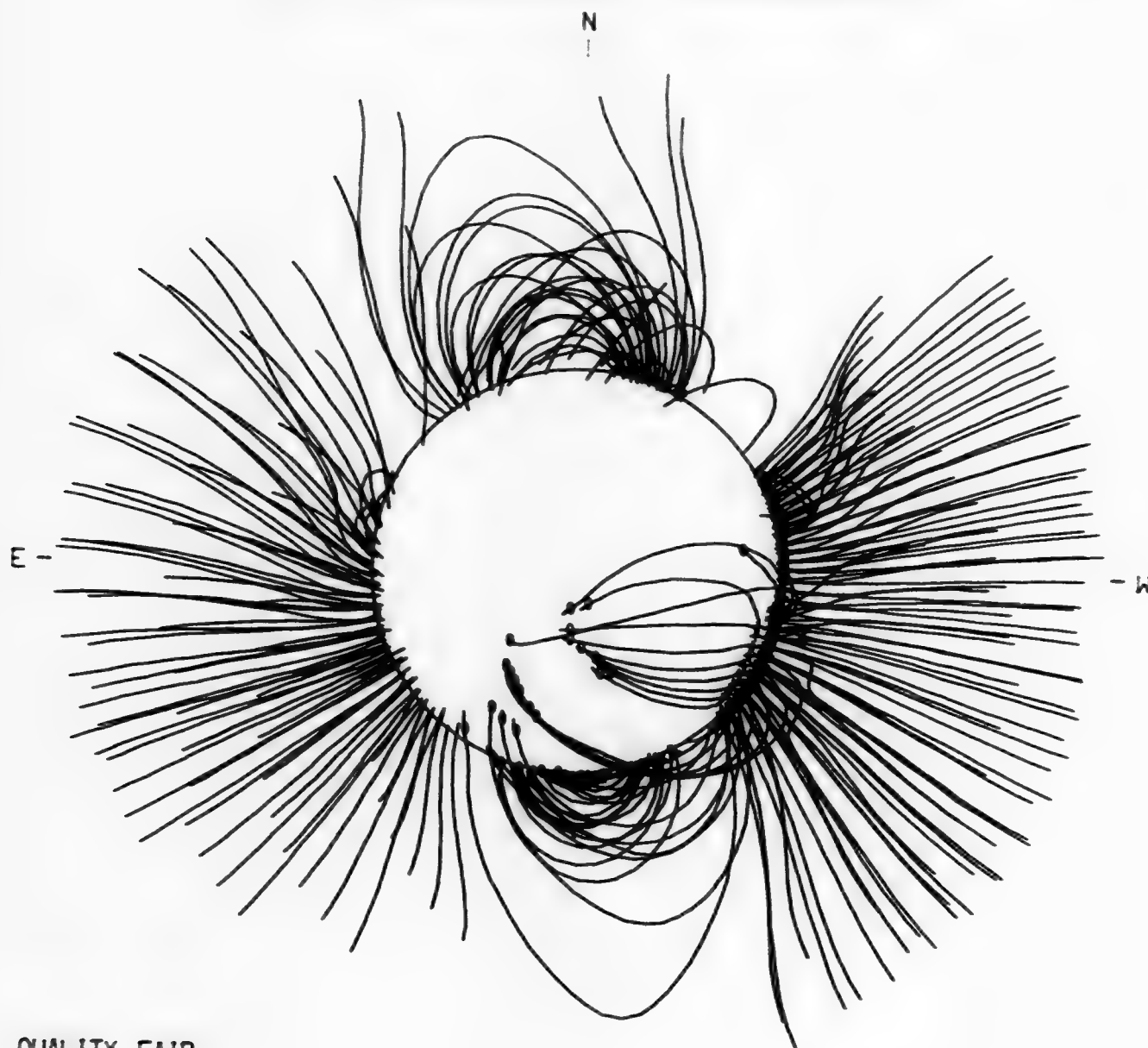
DATA WINDOW 1456.47

I
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ROT. 1457 LONG. 290°

8.9 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

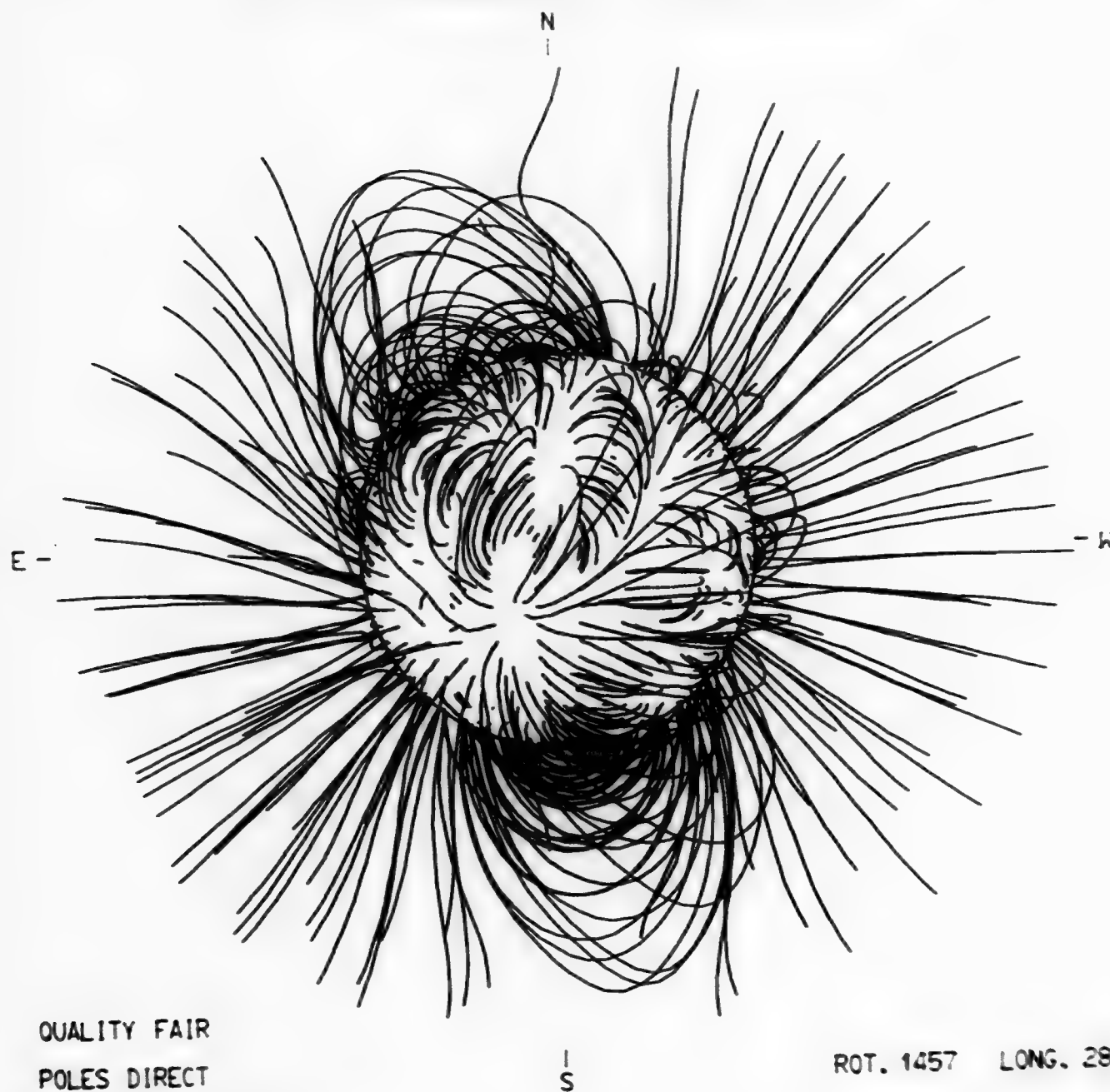


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

I
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ROT. 1457 LONG. 290°
8.9 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



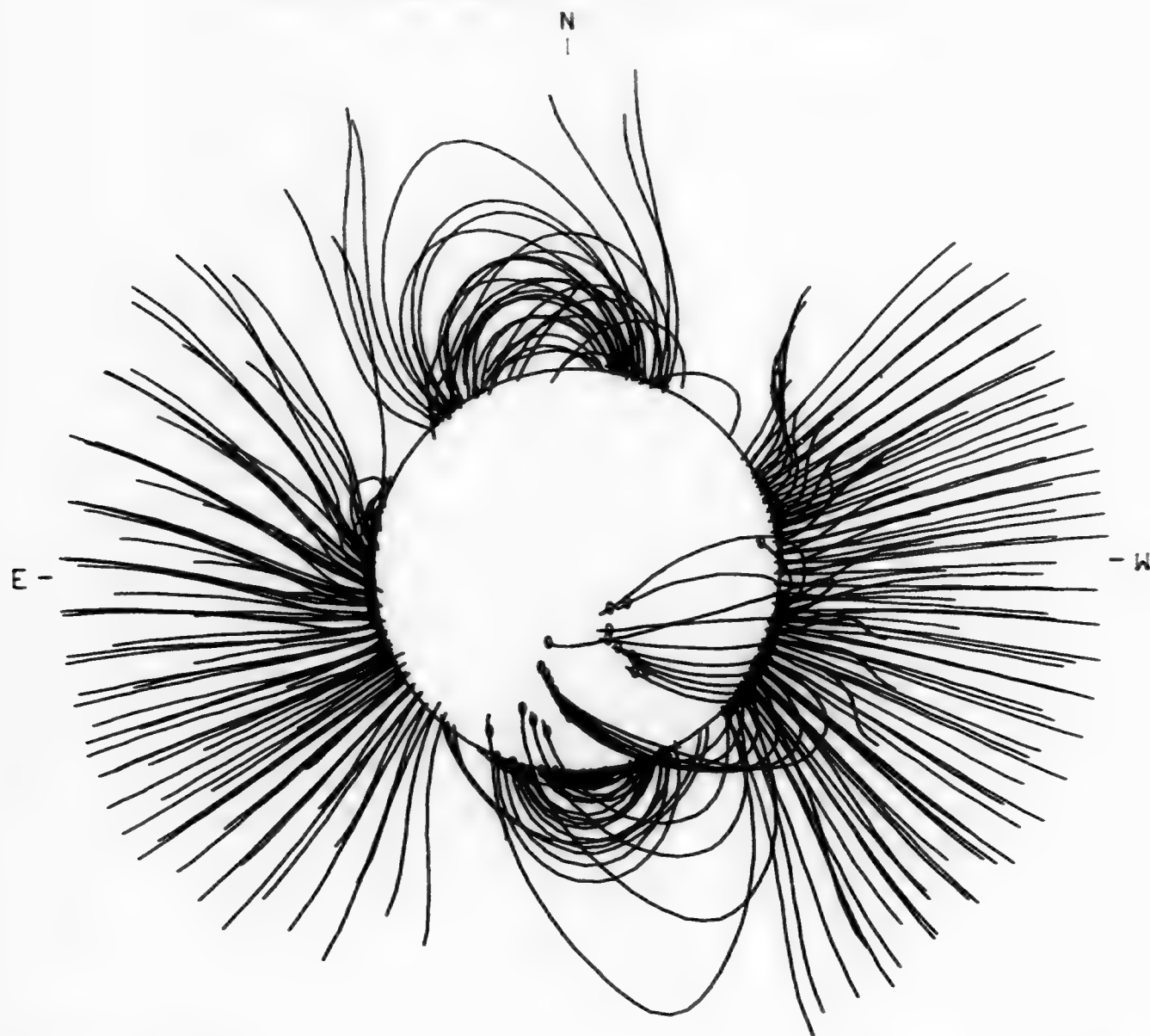
QUALITY FAIR

POLES DIRECT

DATA WINDOW 1456.47

ROT. 1457 LONG. 280°
9.7 AUG 1962

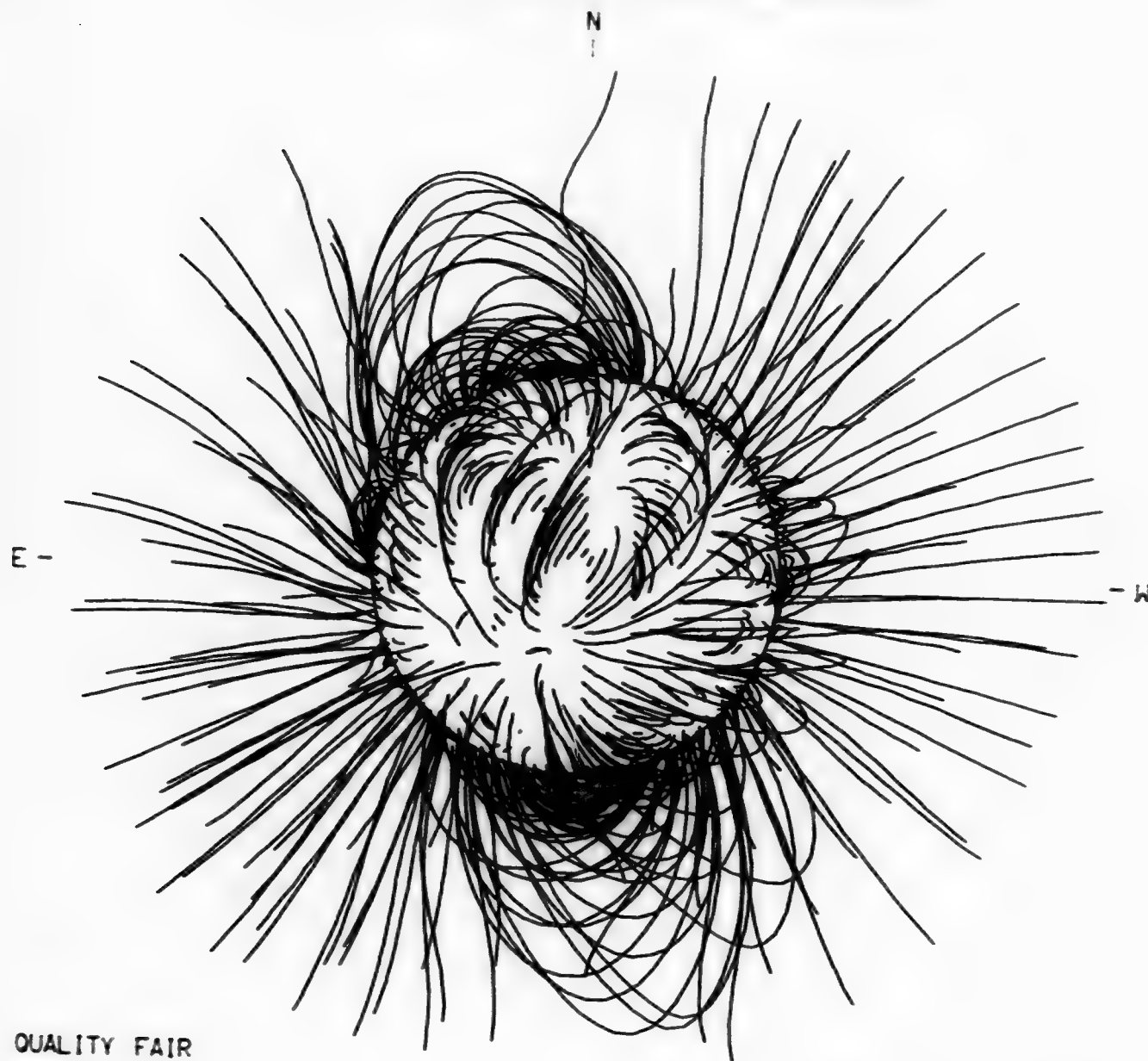
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1456.47

ROT. 1457 LONG. 280°
9.7 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

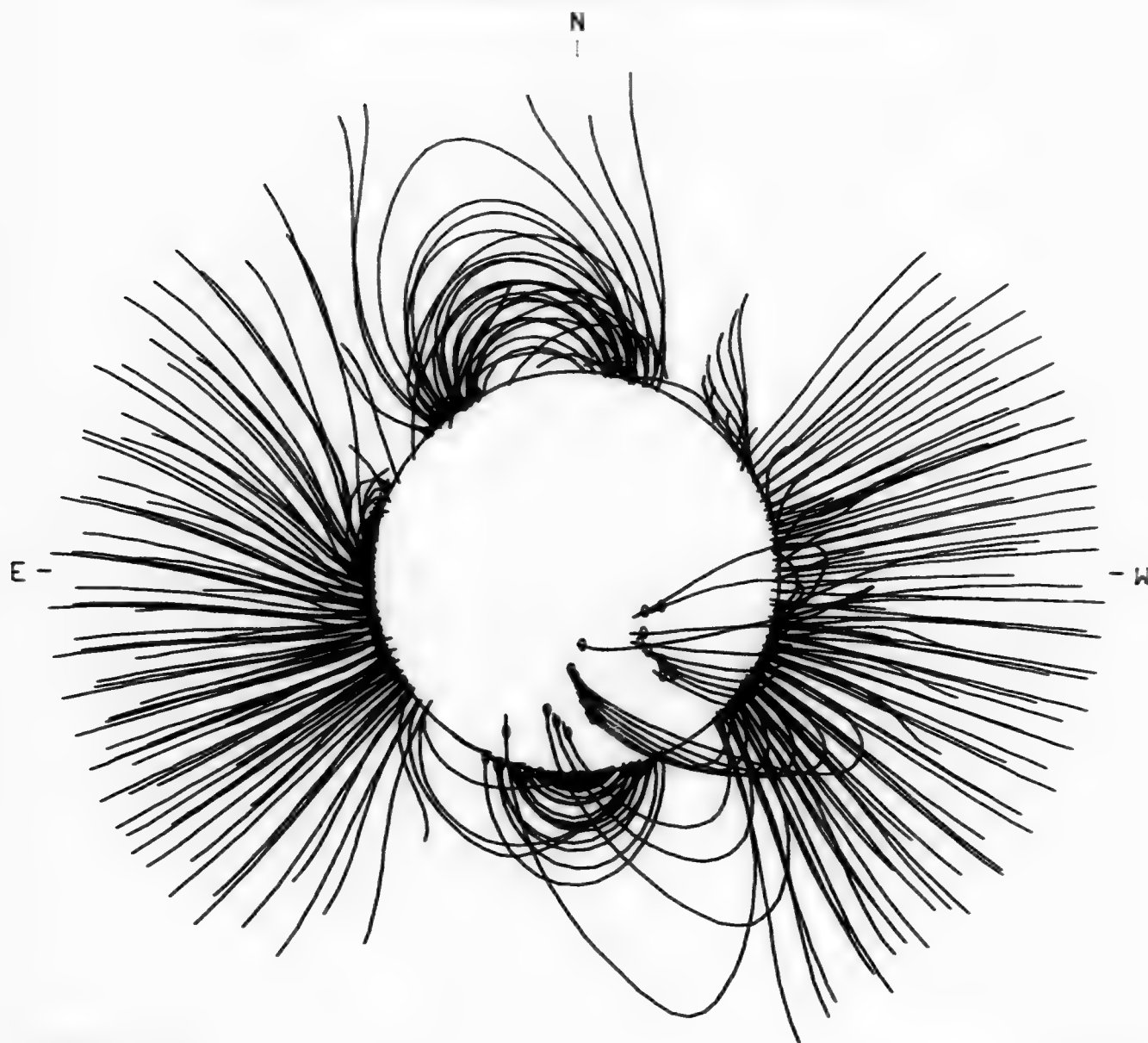
DATA WINDOW 1456.47

I
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ROT. 1457 LONG. 270°

10.4 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

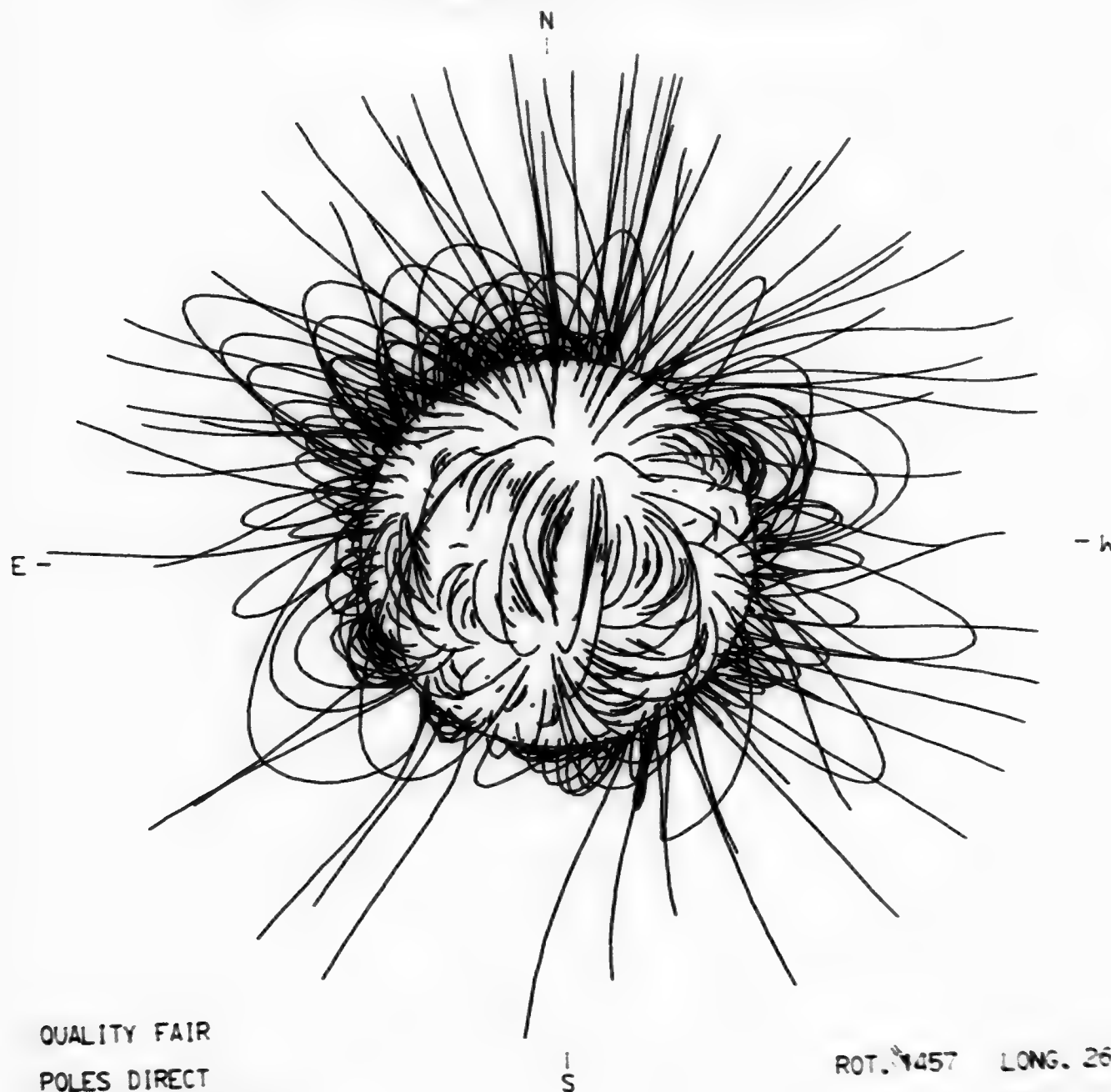
DATA WINDOW 1456.47

I
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ROT. 1457 LONG. 270°

10.4 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

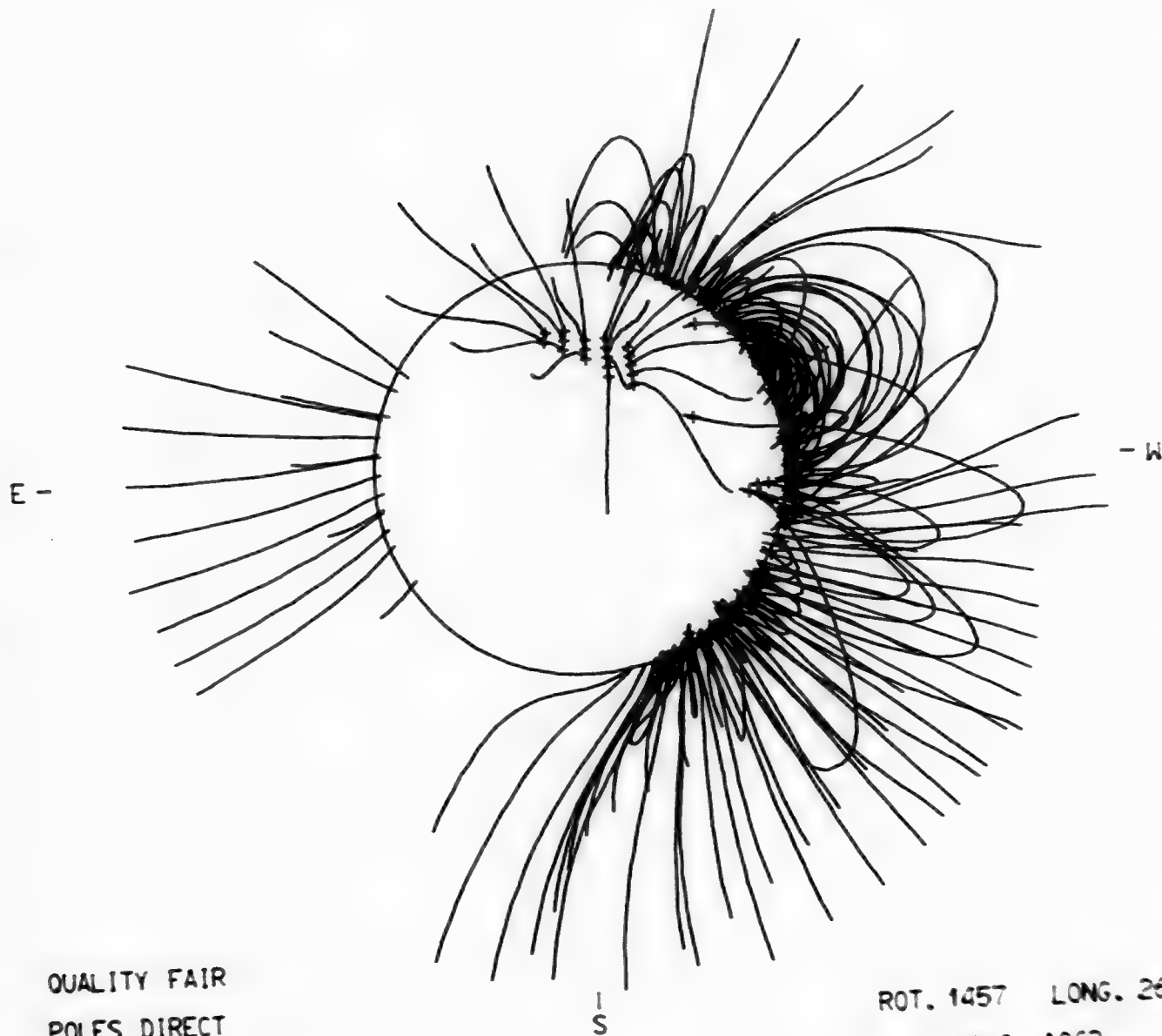


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 260°
11.2 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

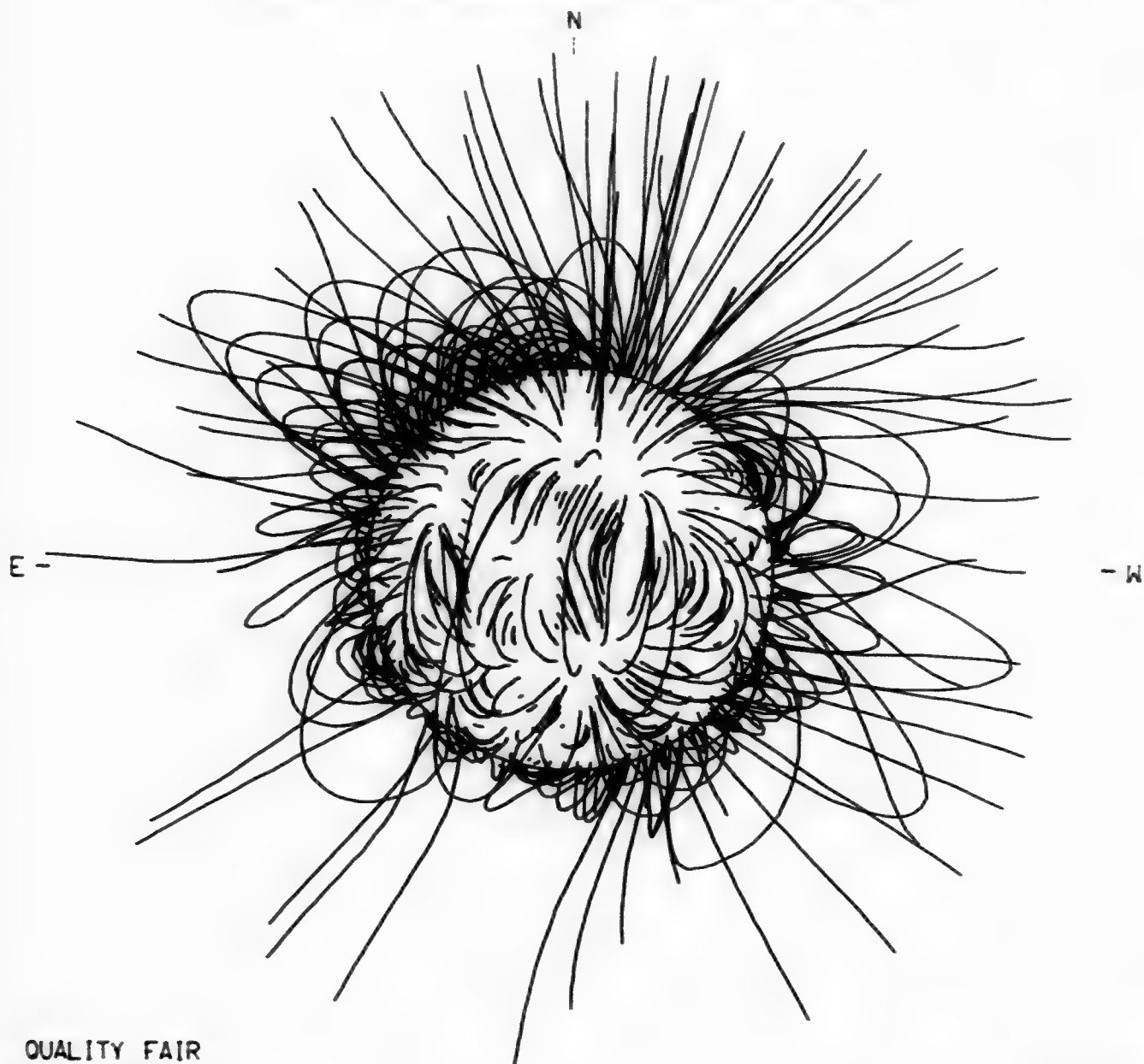
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QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 260°
11.2 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

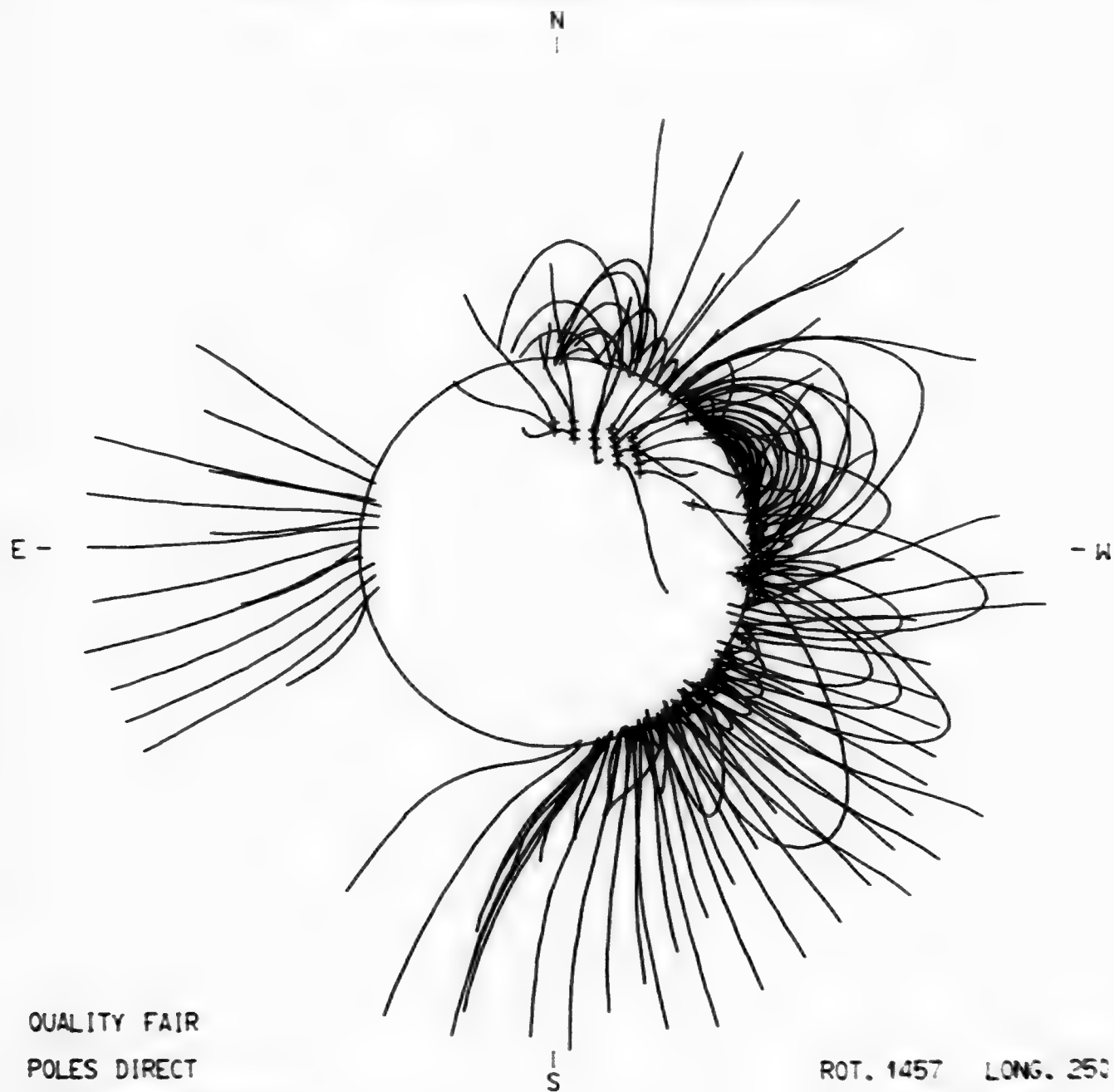
DATA WINDOW 1457.00

I
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ROT. 1457 LONG. 250°

11.9 AUG 1962

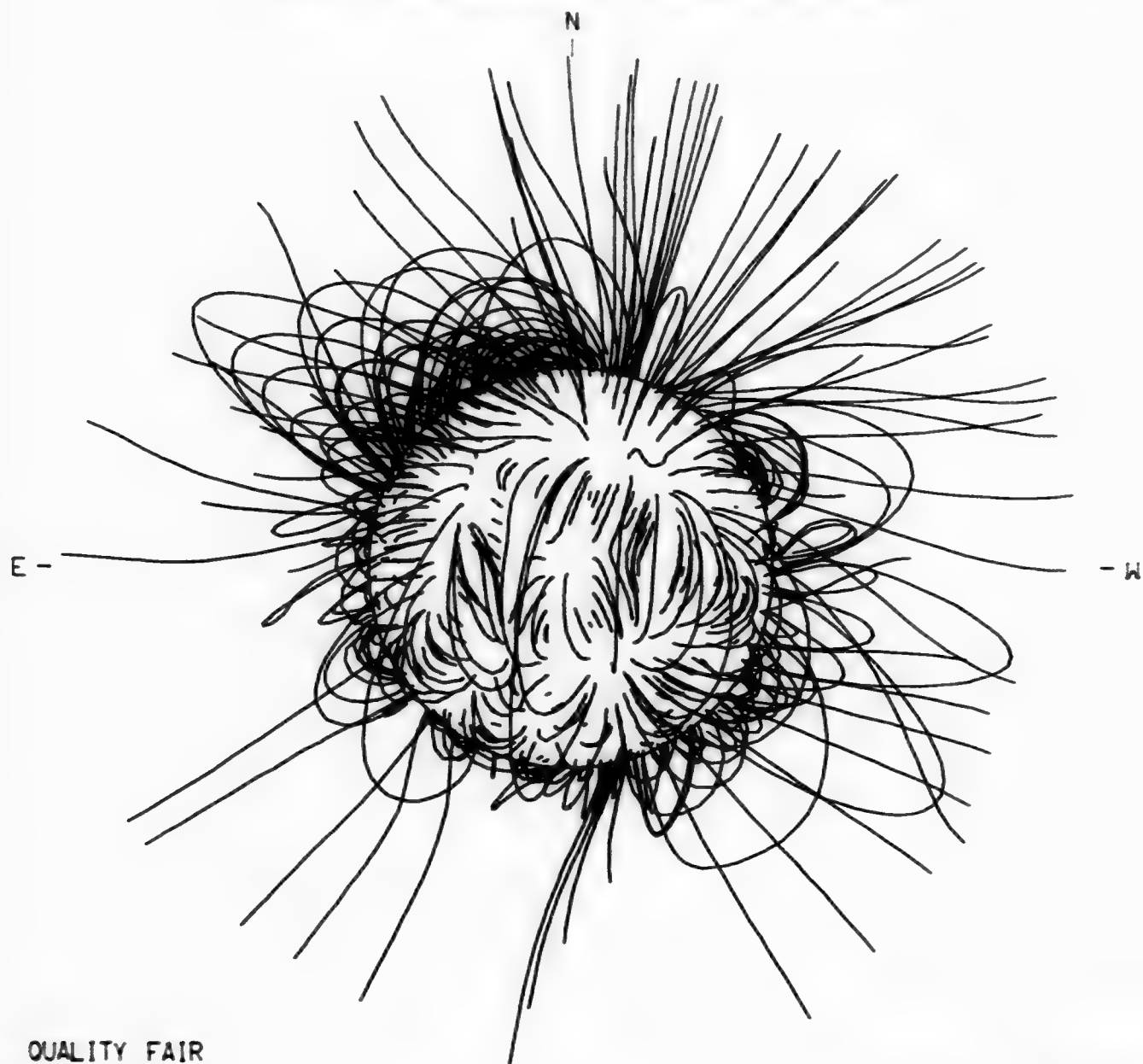
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 250°
11.9 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

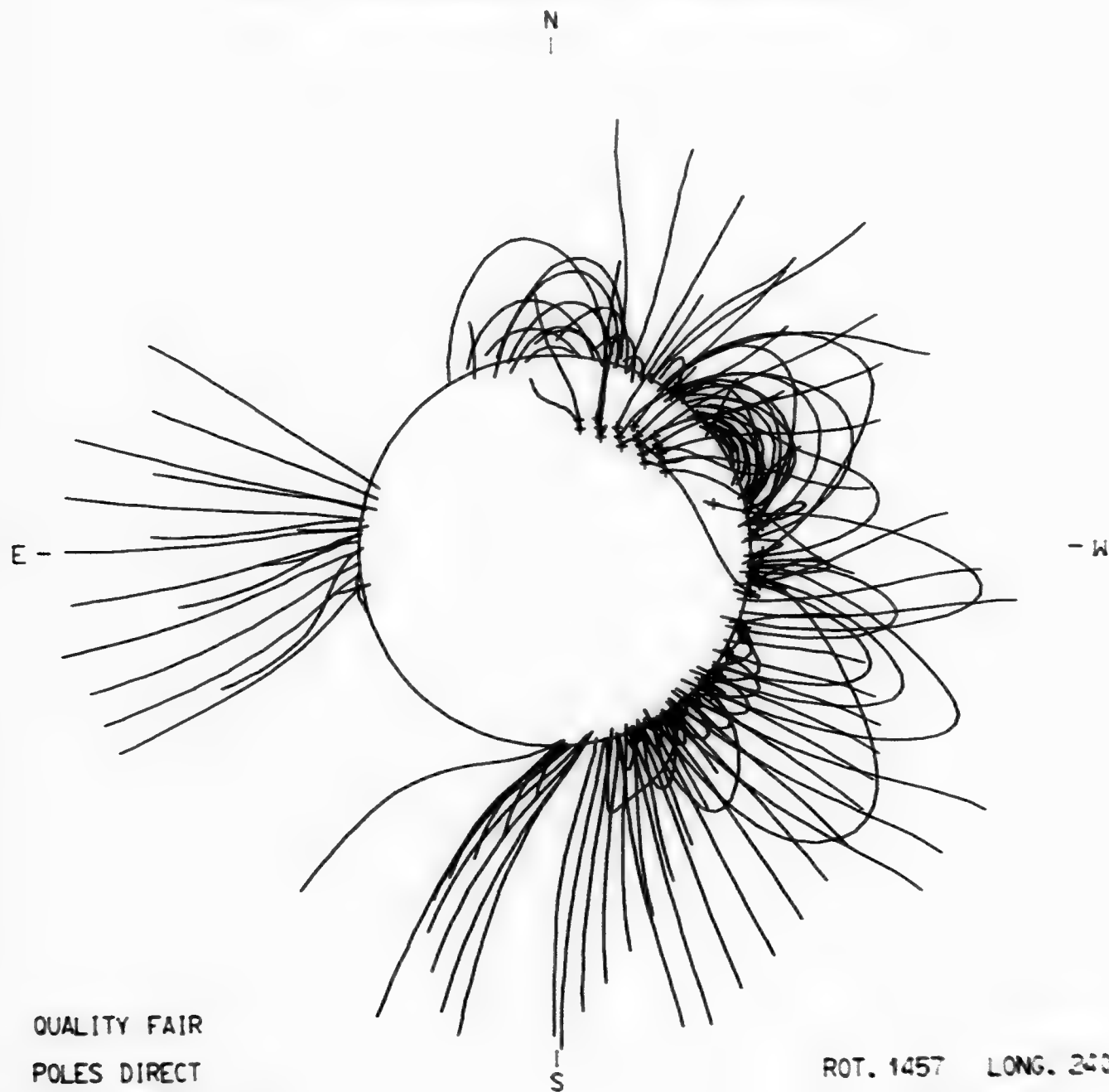
DATA WINDOW 1457.00

I
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ROT. 1457 LONG. 240°

12.7 AUG 1962

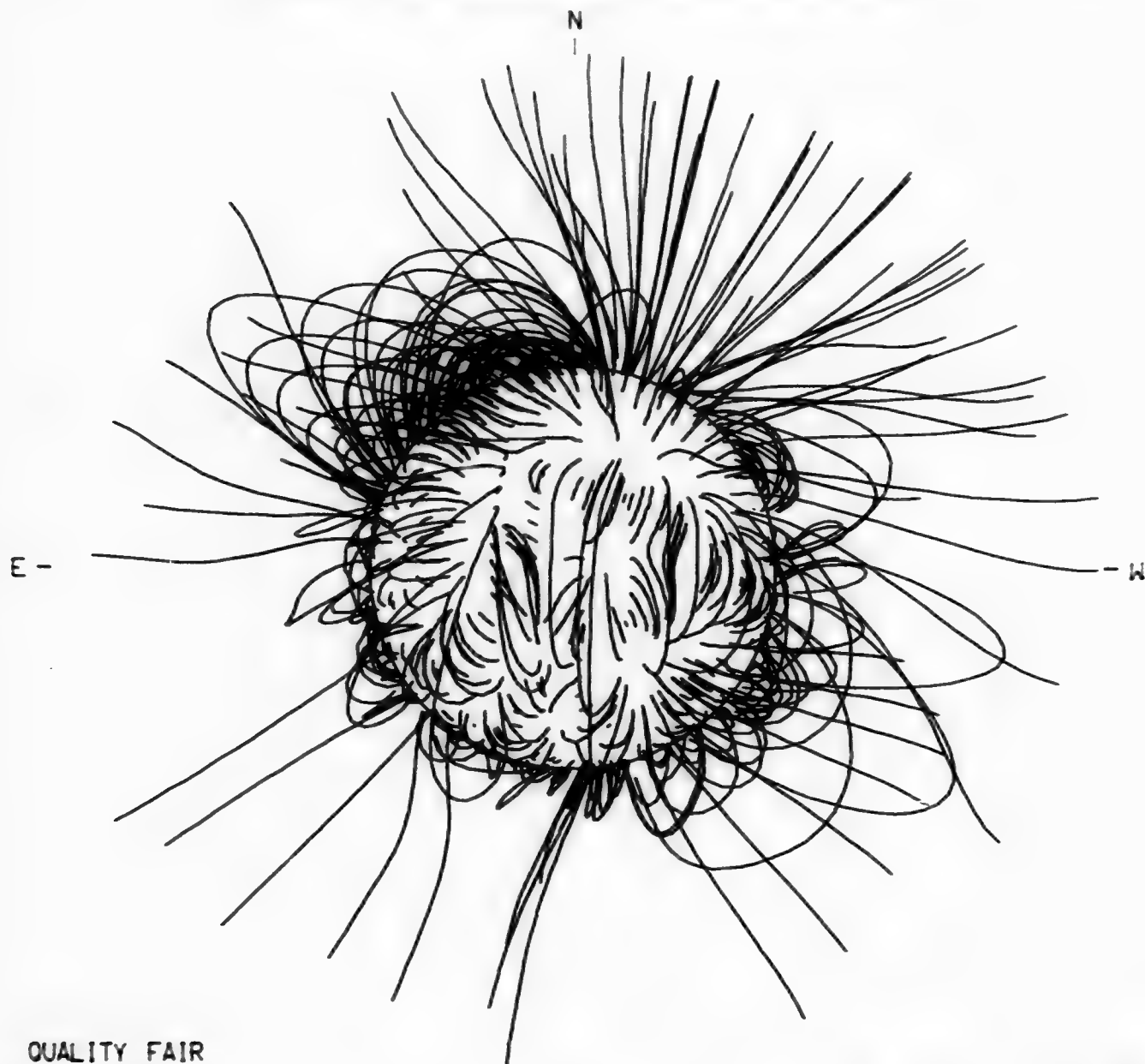
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 240°
12.7 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

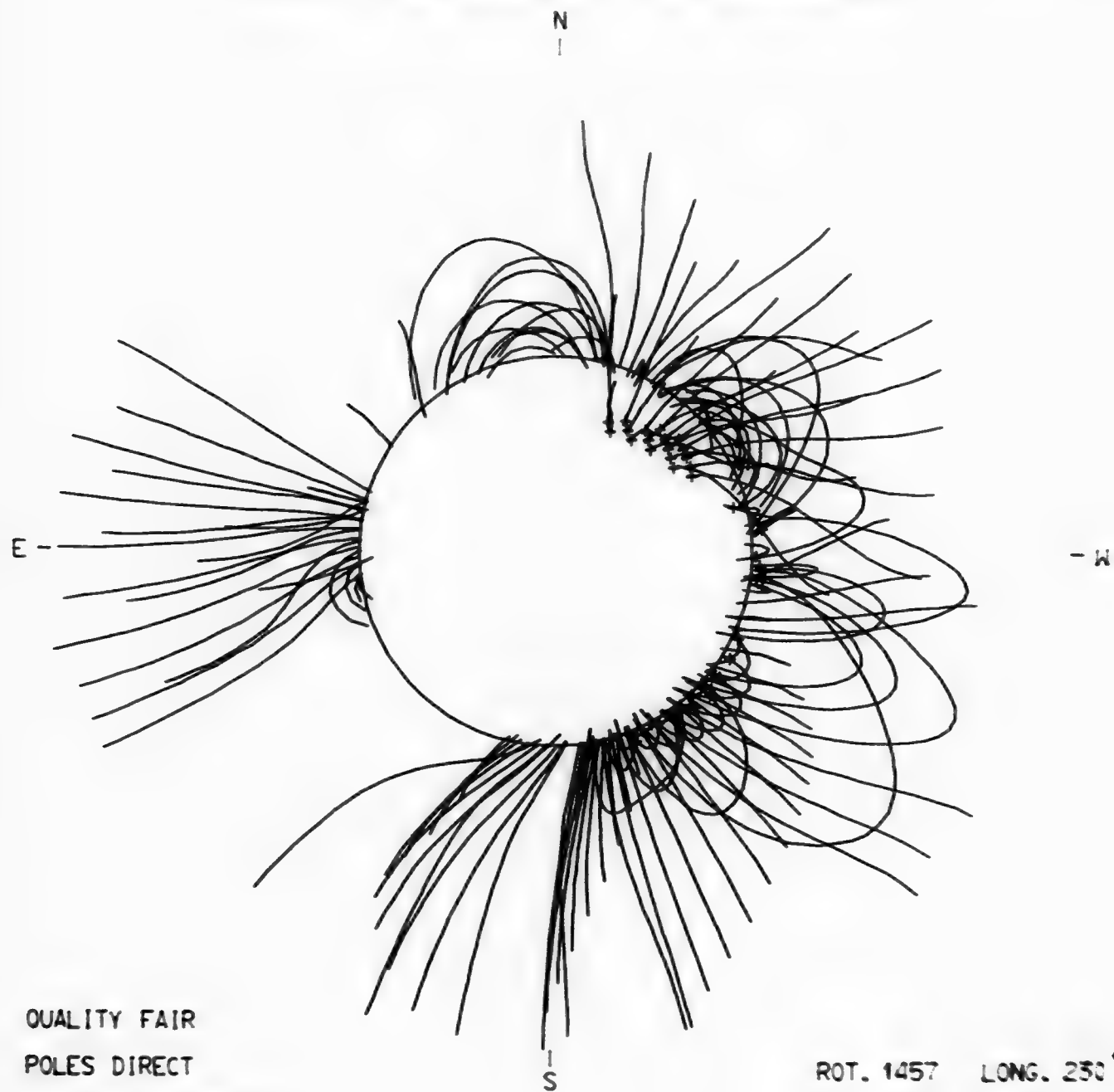
DATA WINDOW 1457.00

N
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ROT. 1457 LONG. 230°

13.4 AUG 1962

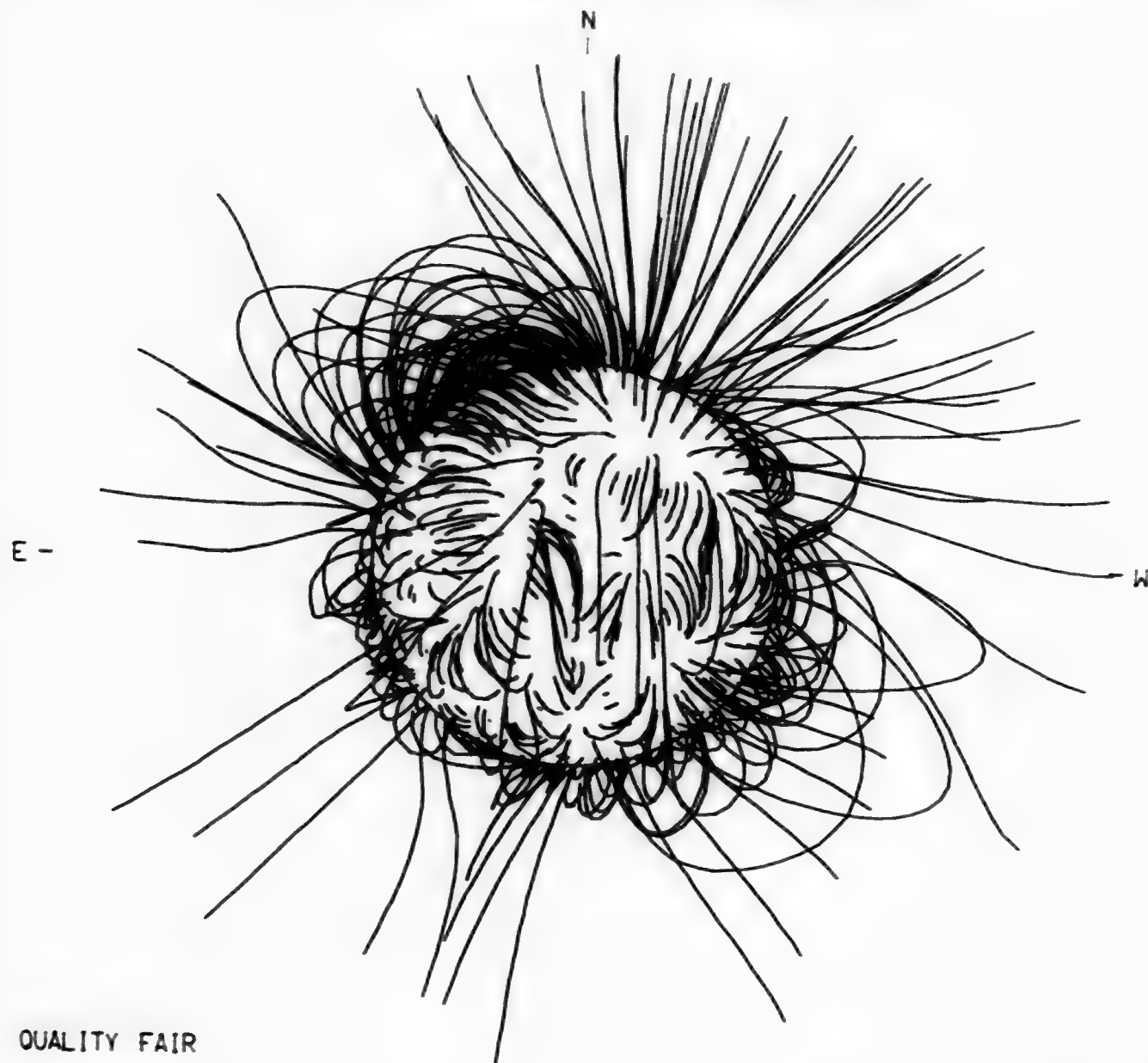
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 230°
13.4 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

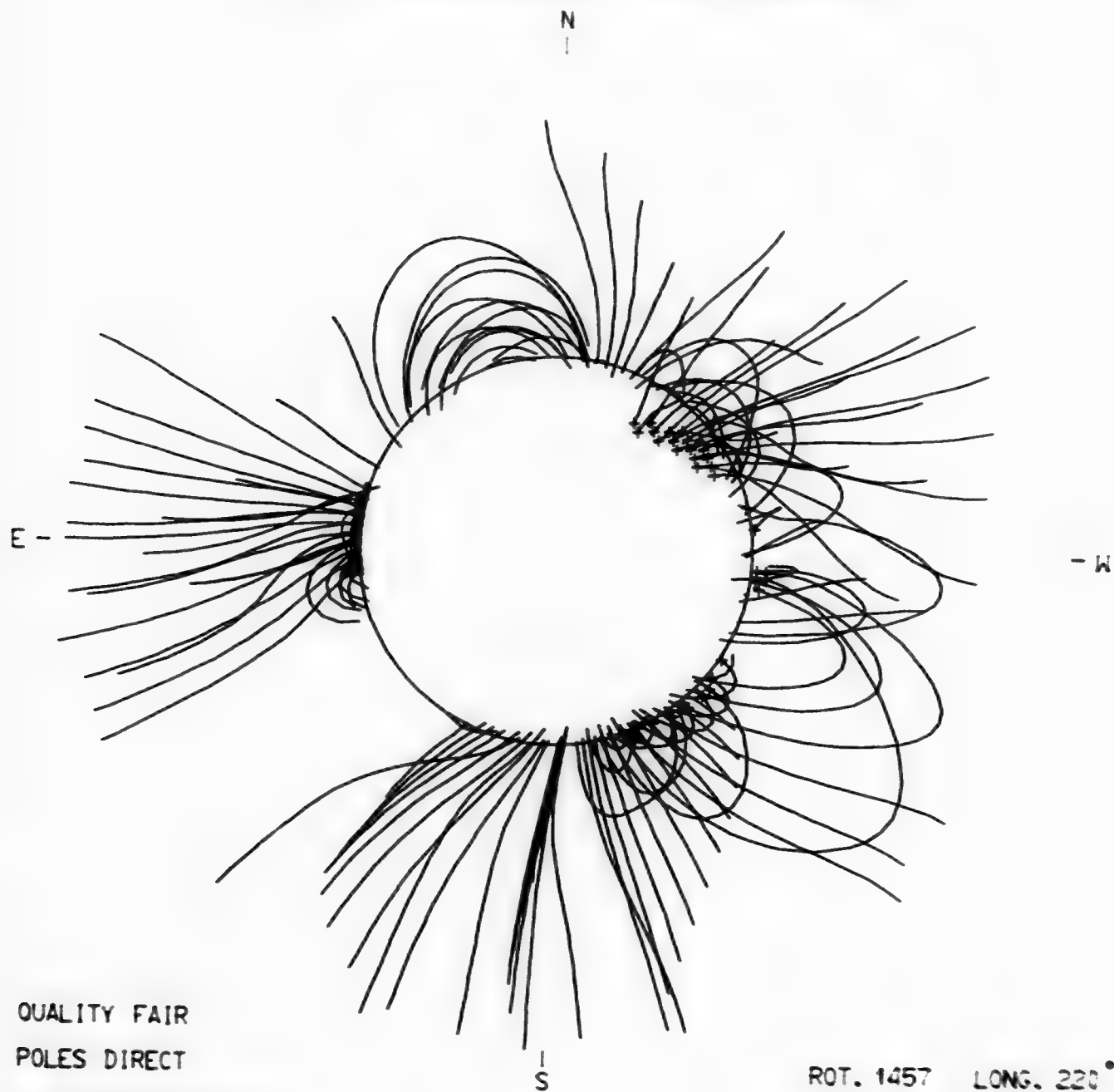


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

I
S

ROT. 1457 LONG. 220°
14.2 AUG 1962

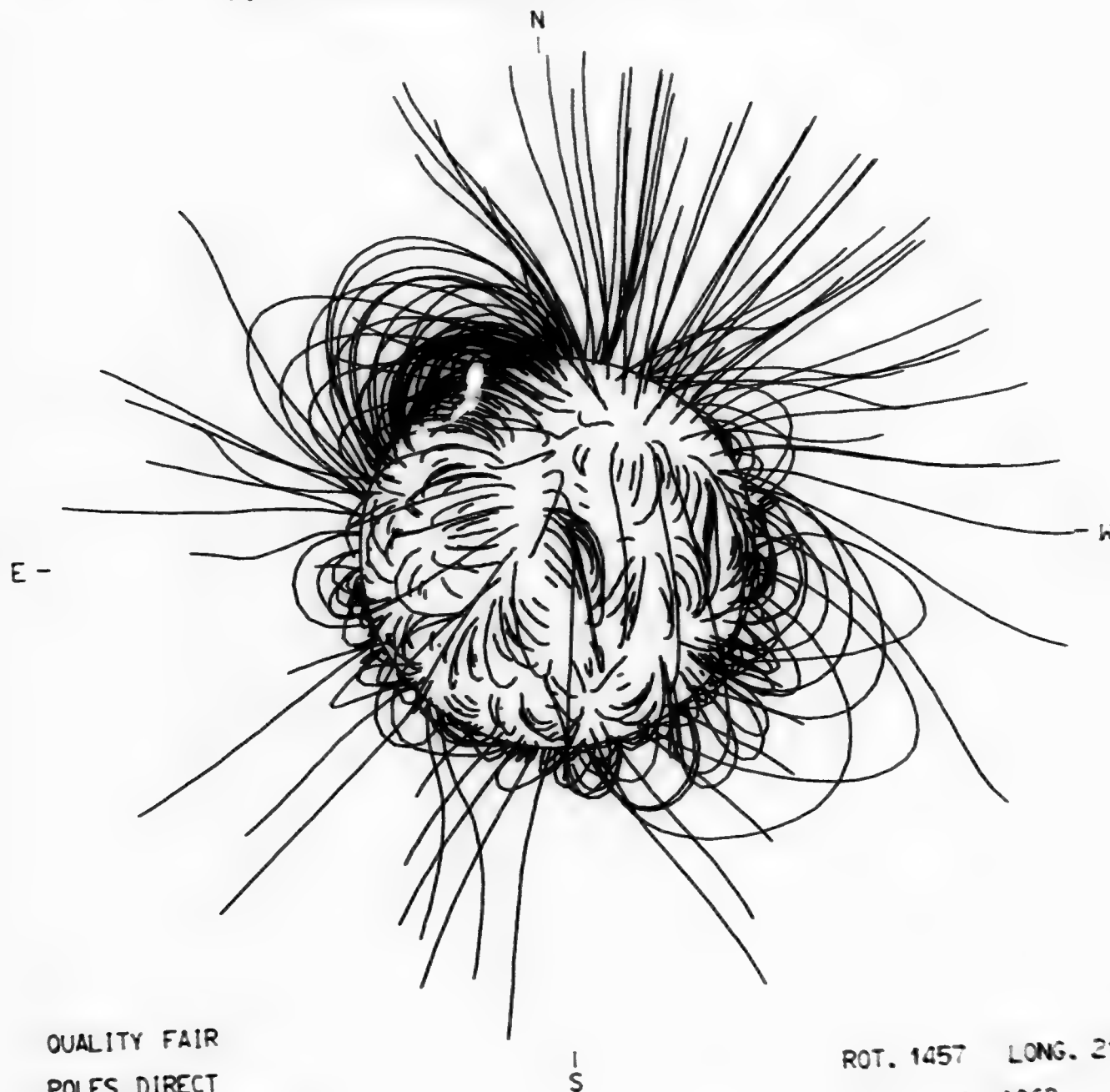
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 220°
14.2 AUG 1962

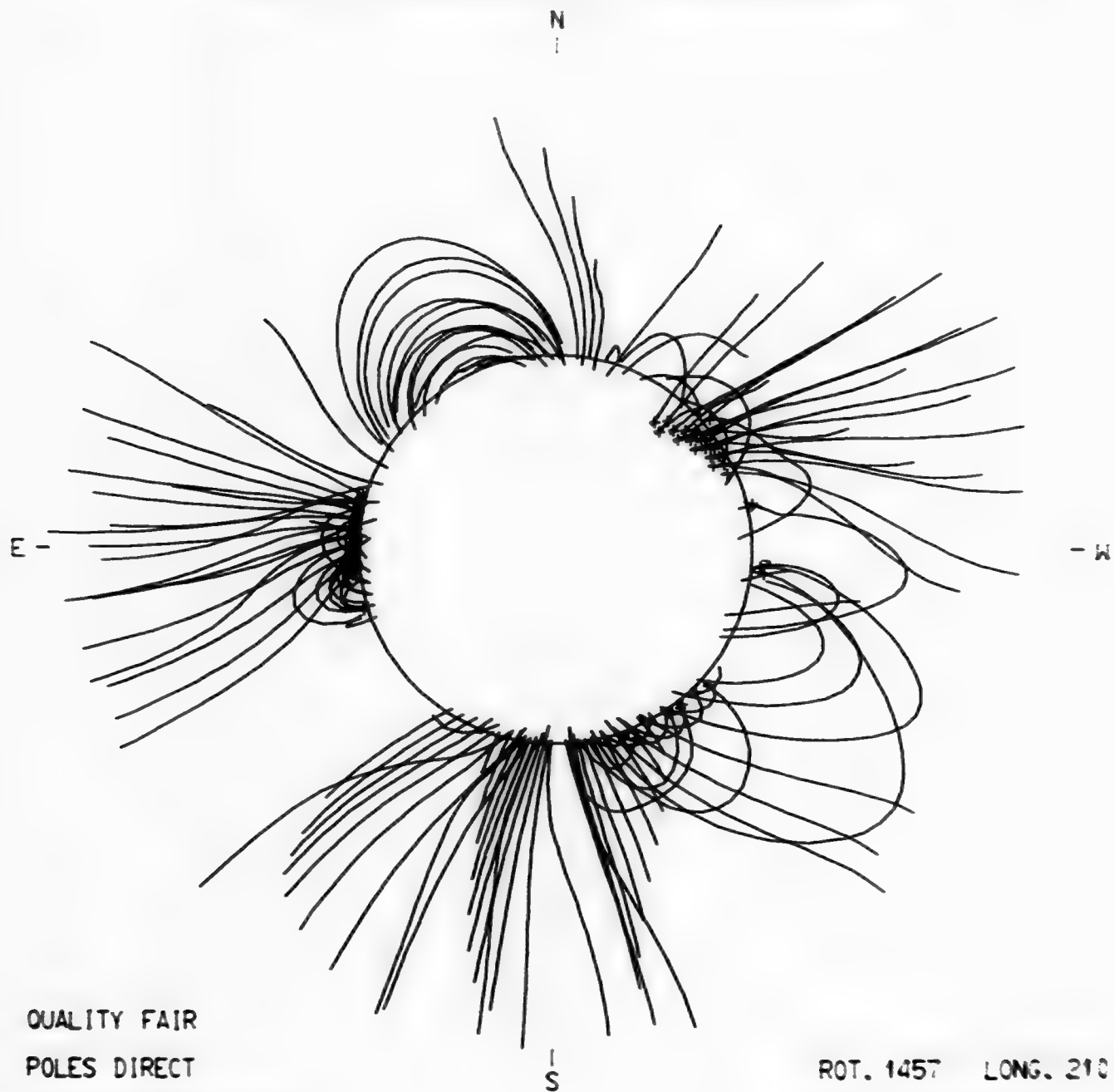
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 210°
14.9 AUG 1962

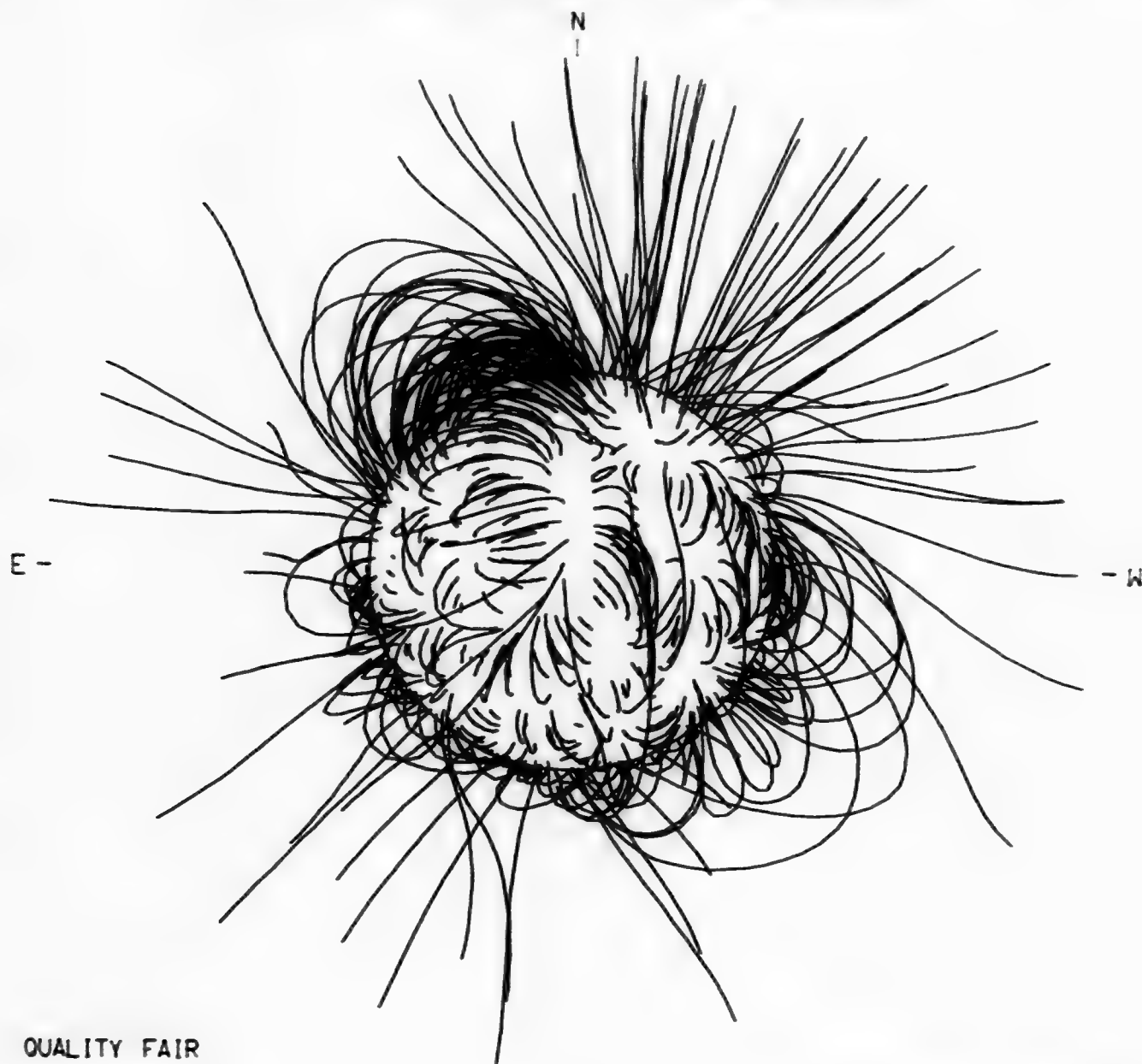
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 210°
14.9 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

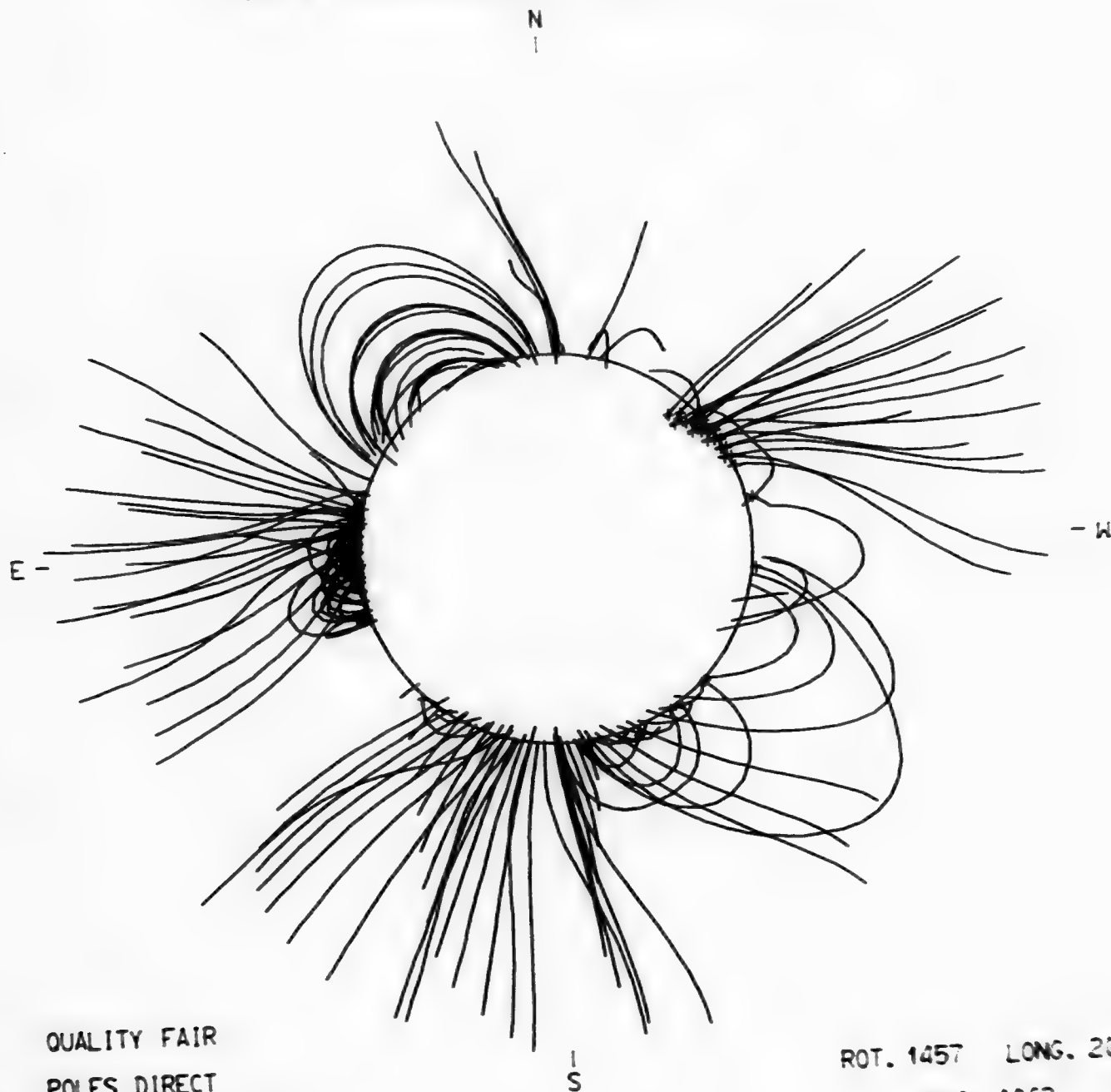
DATA WINDOW 1457.00

1
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ROT. 1457 LONG. 200°

15.7 AUG 1962

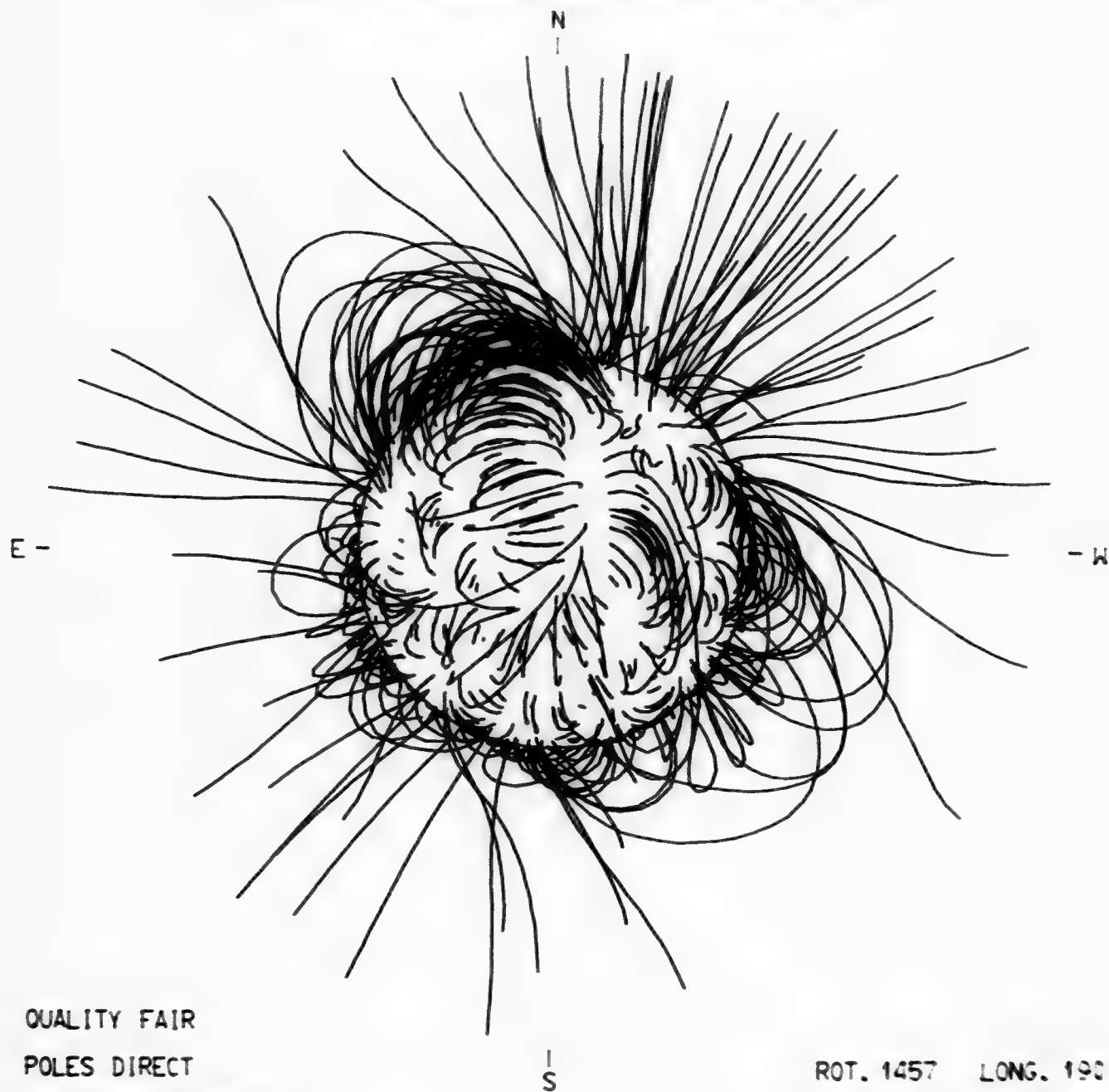
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 200°
15.7 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

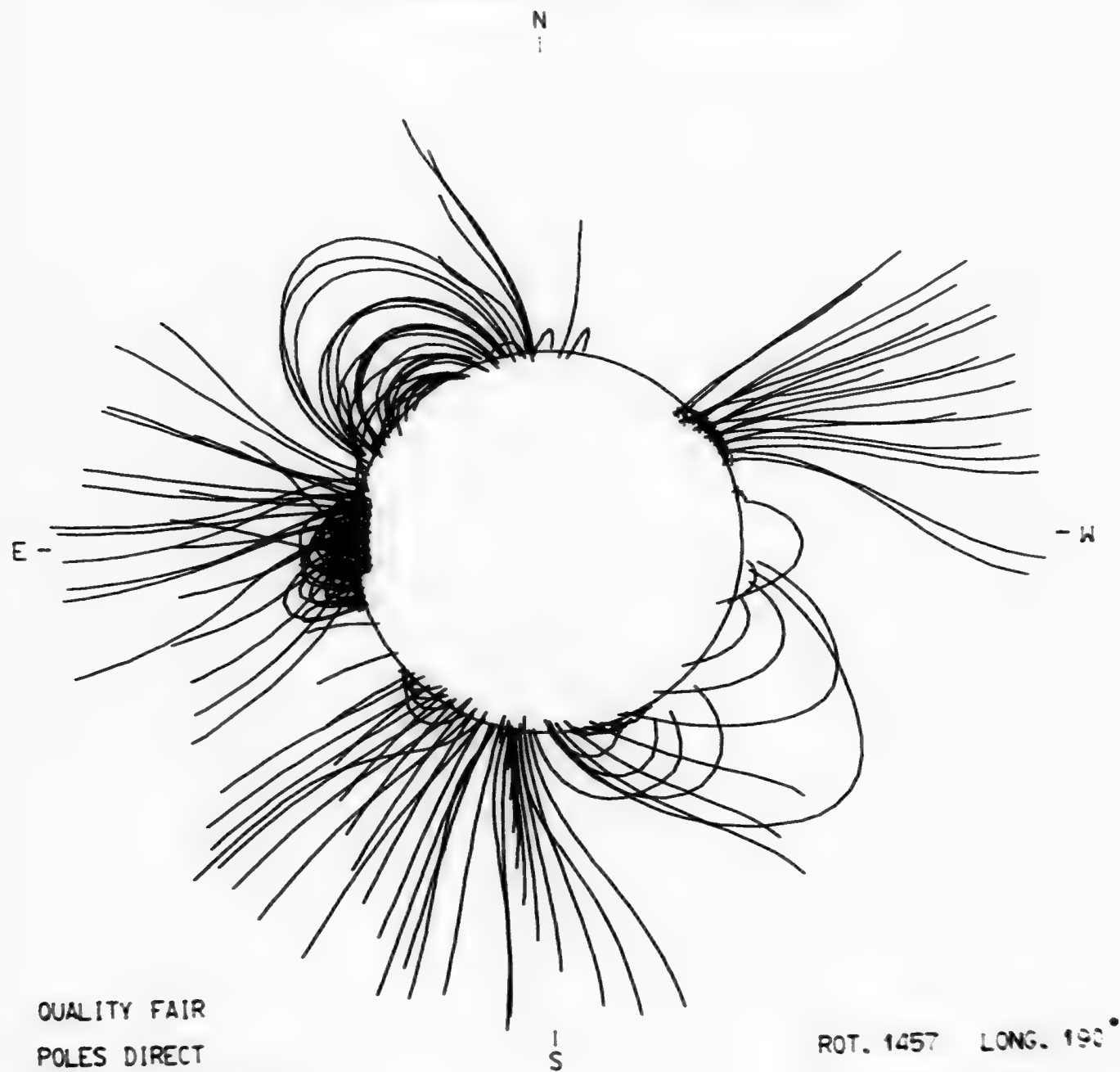
POLES DIRECT

DATA WINDOW 1457.00

ROT. 1457 LONG. 190°

16.5 AUG 1962

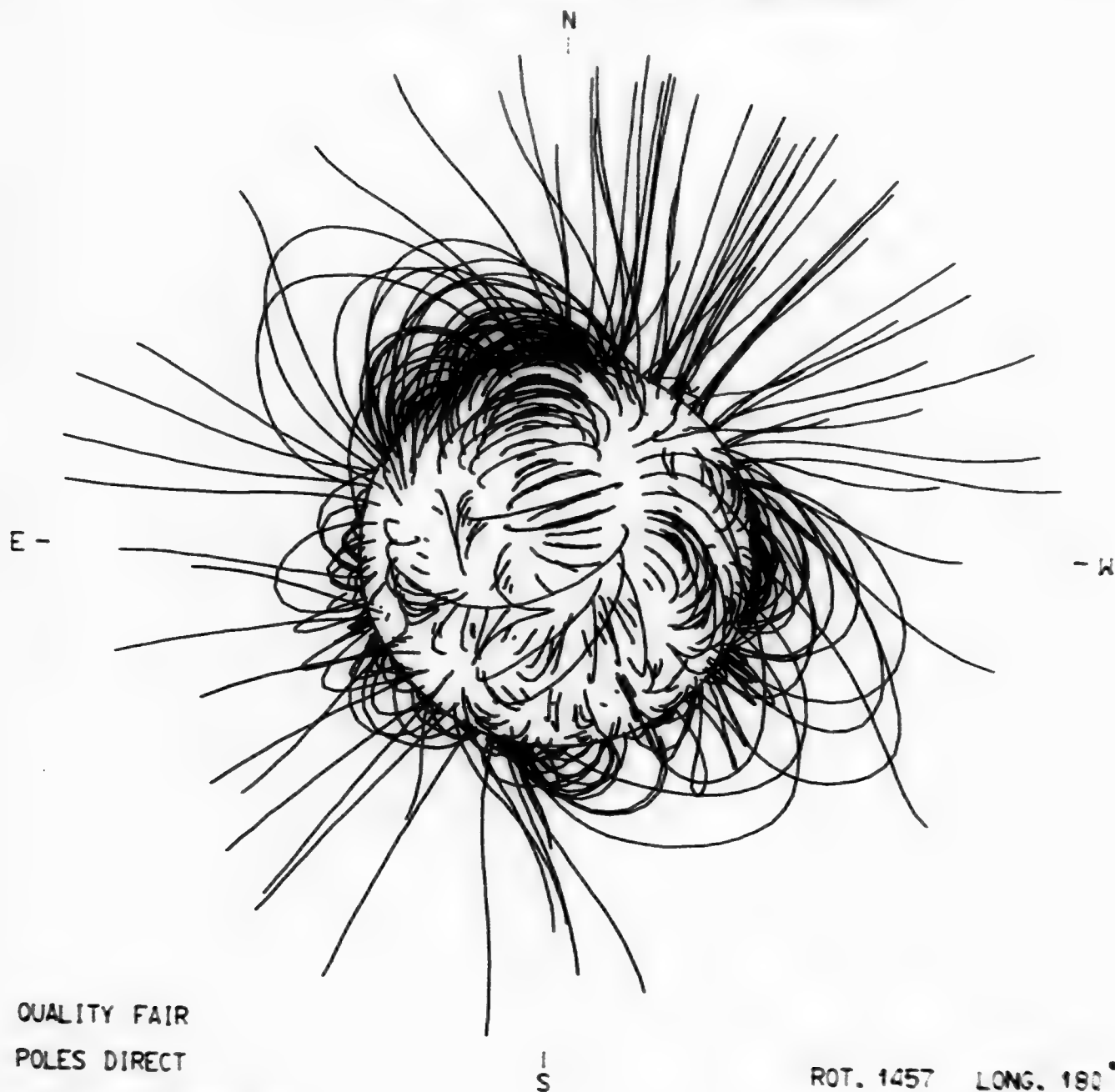
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 190°
16.5 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

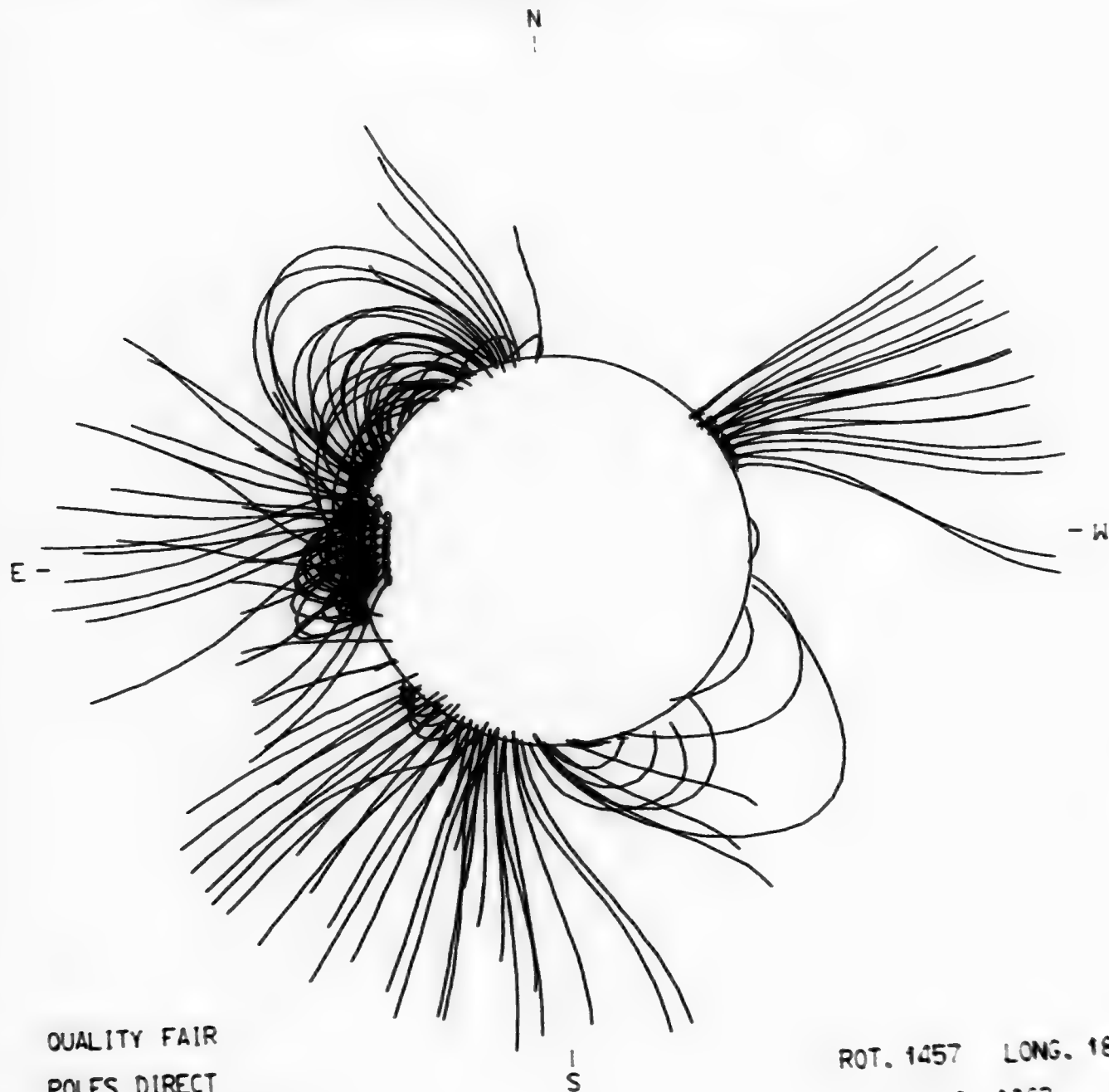
POLES DIRECT

DATA WINDOW 1457.00

ROT. 1457 LONG. 180°

17.2 AUG 1962

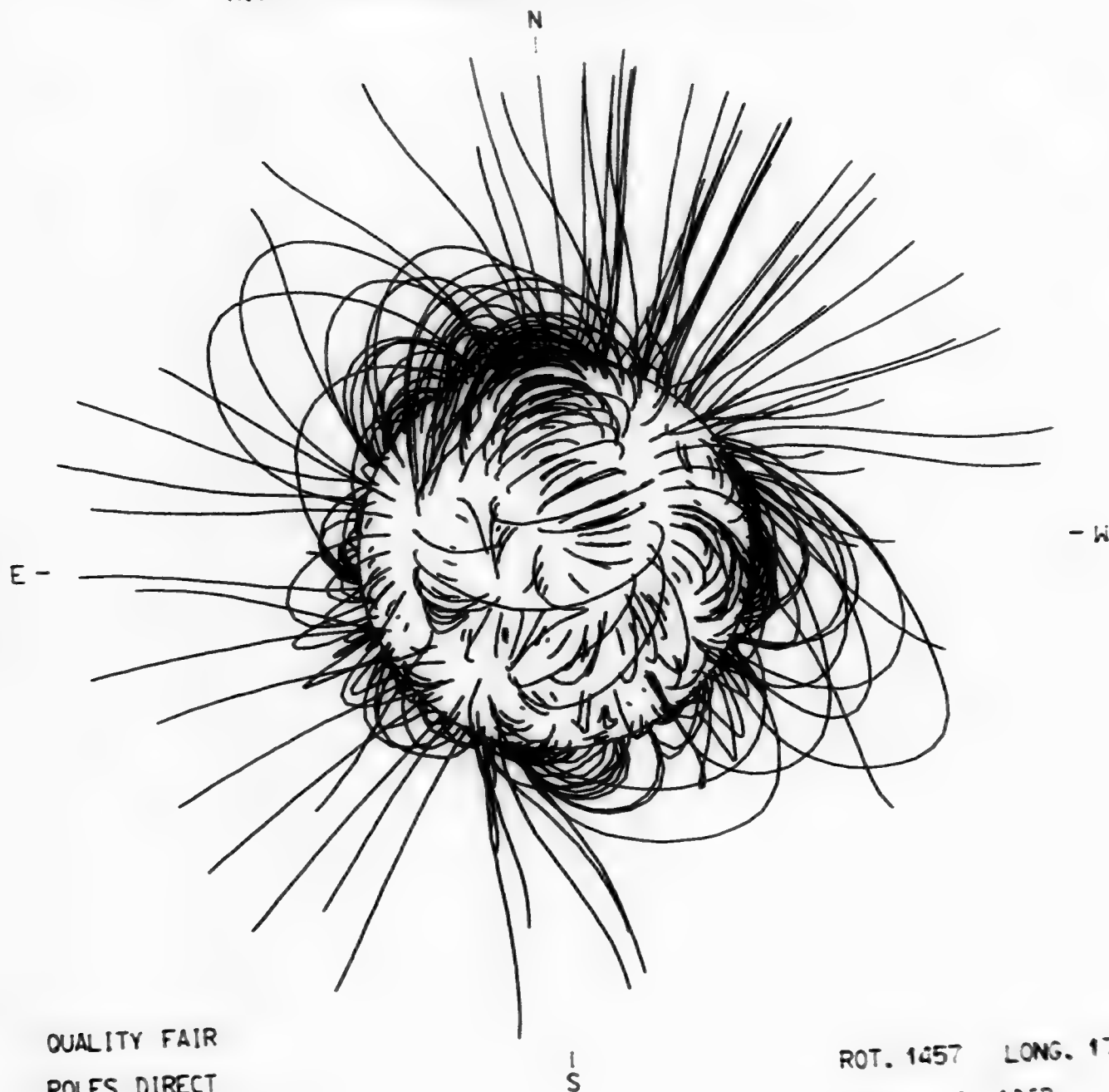
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 180°
17.2 AUG 1962

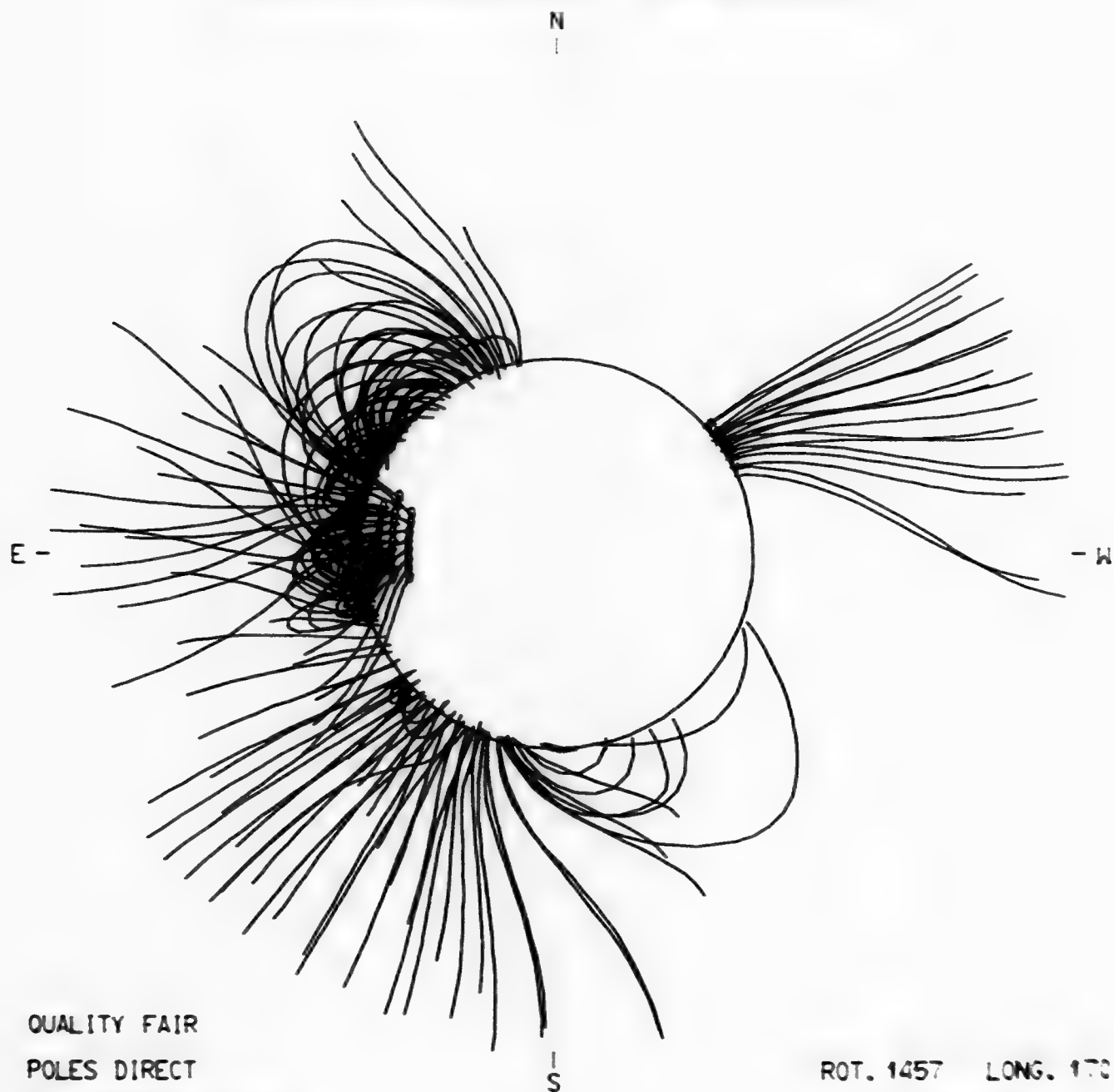
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 170°
18.0 AUG 1962

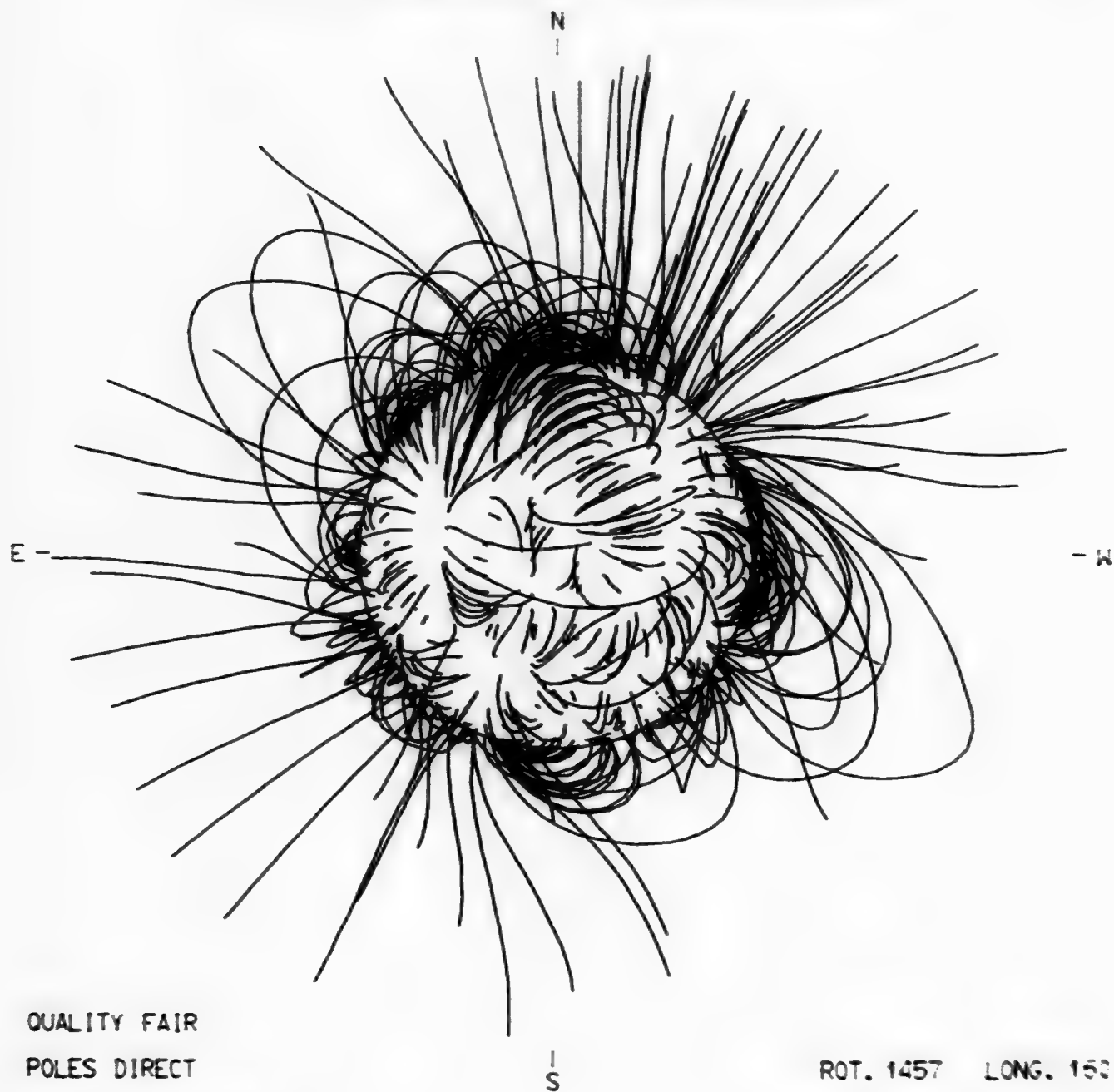
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 170°
18.0 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

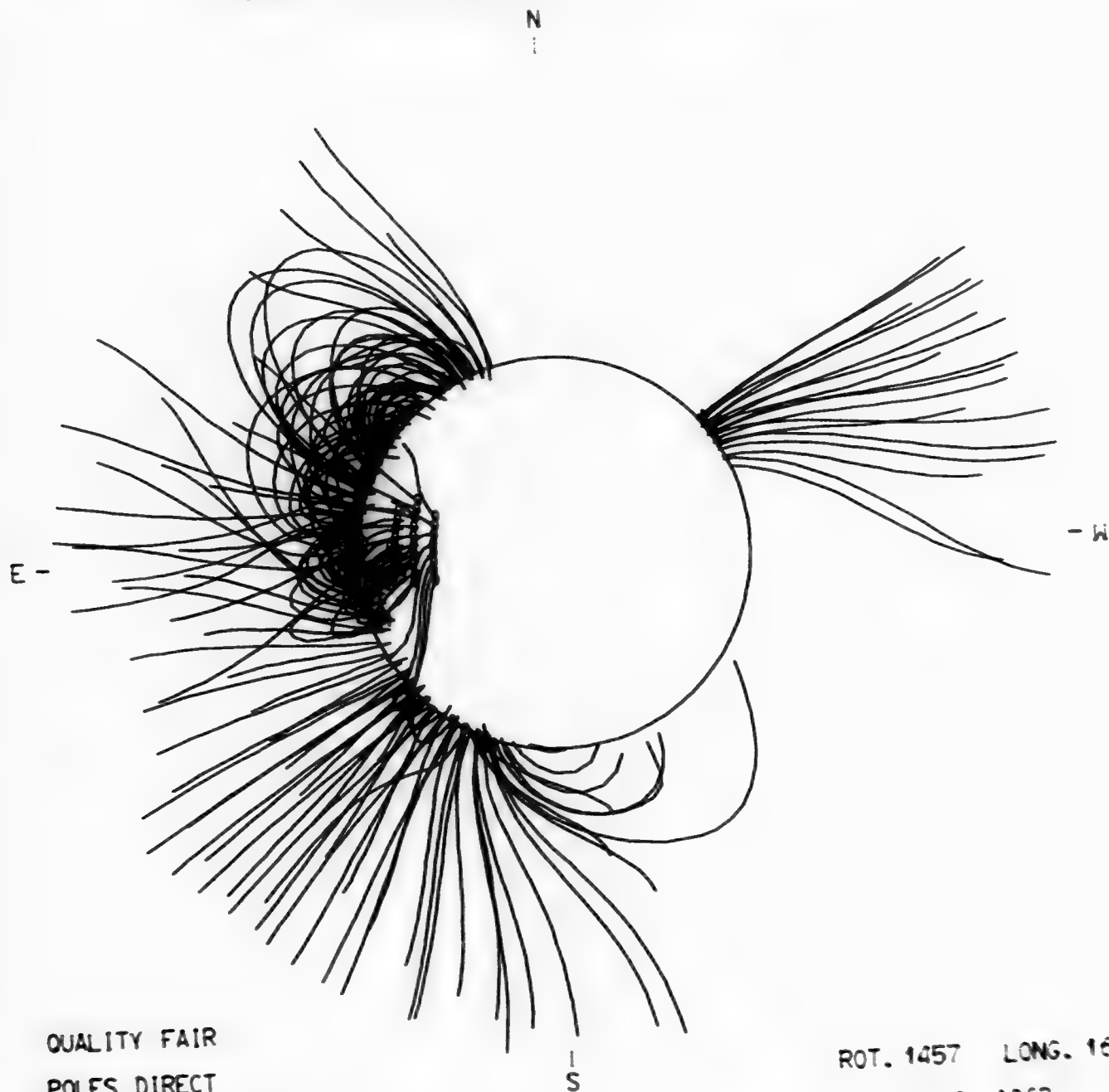
DATA WINDOW 1457.00

|
S

ROT. 1457 LONG. 160°

18.7 AUG 1962

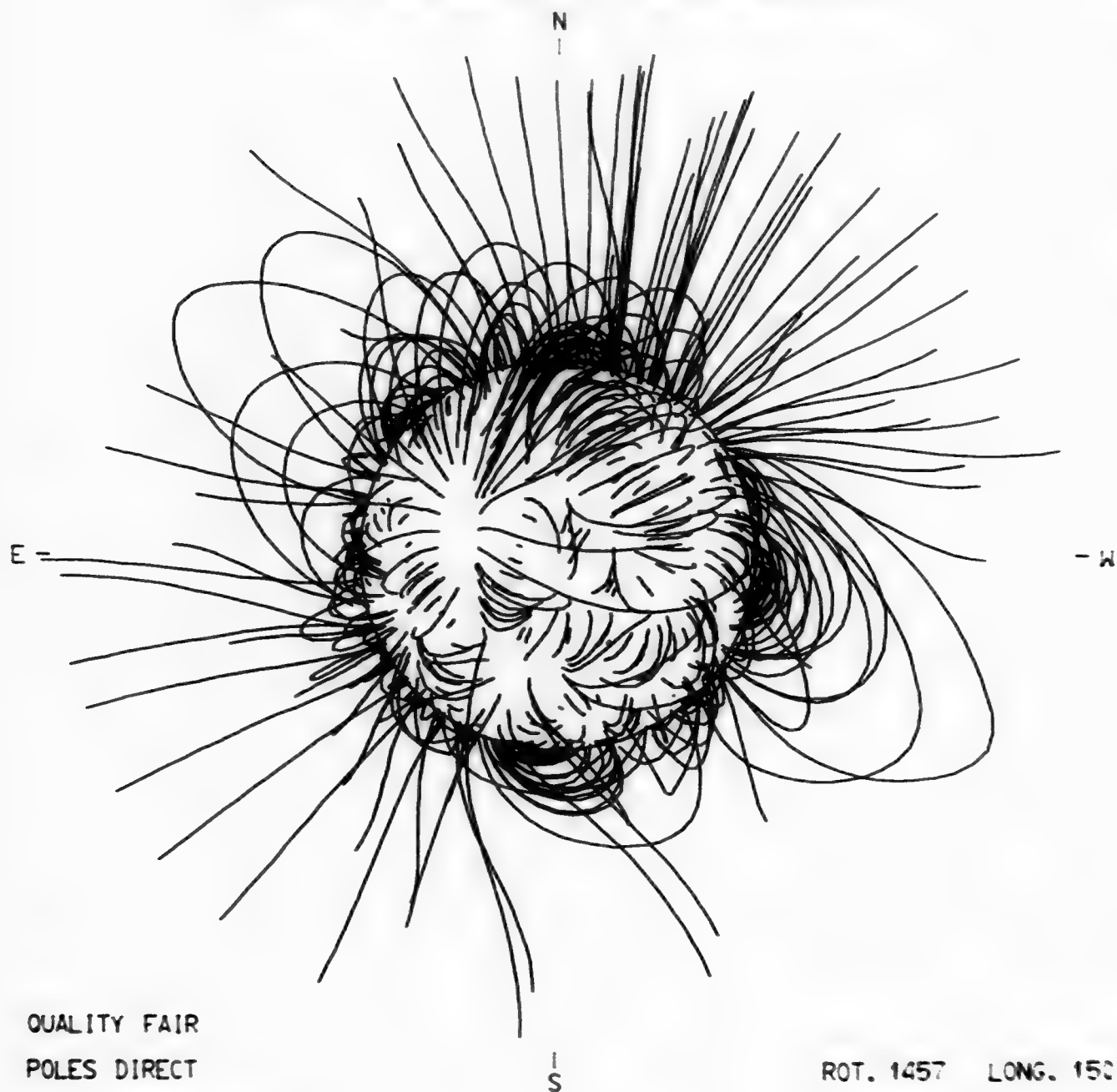
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 160°
18.7 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



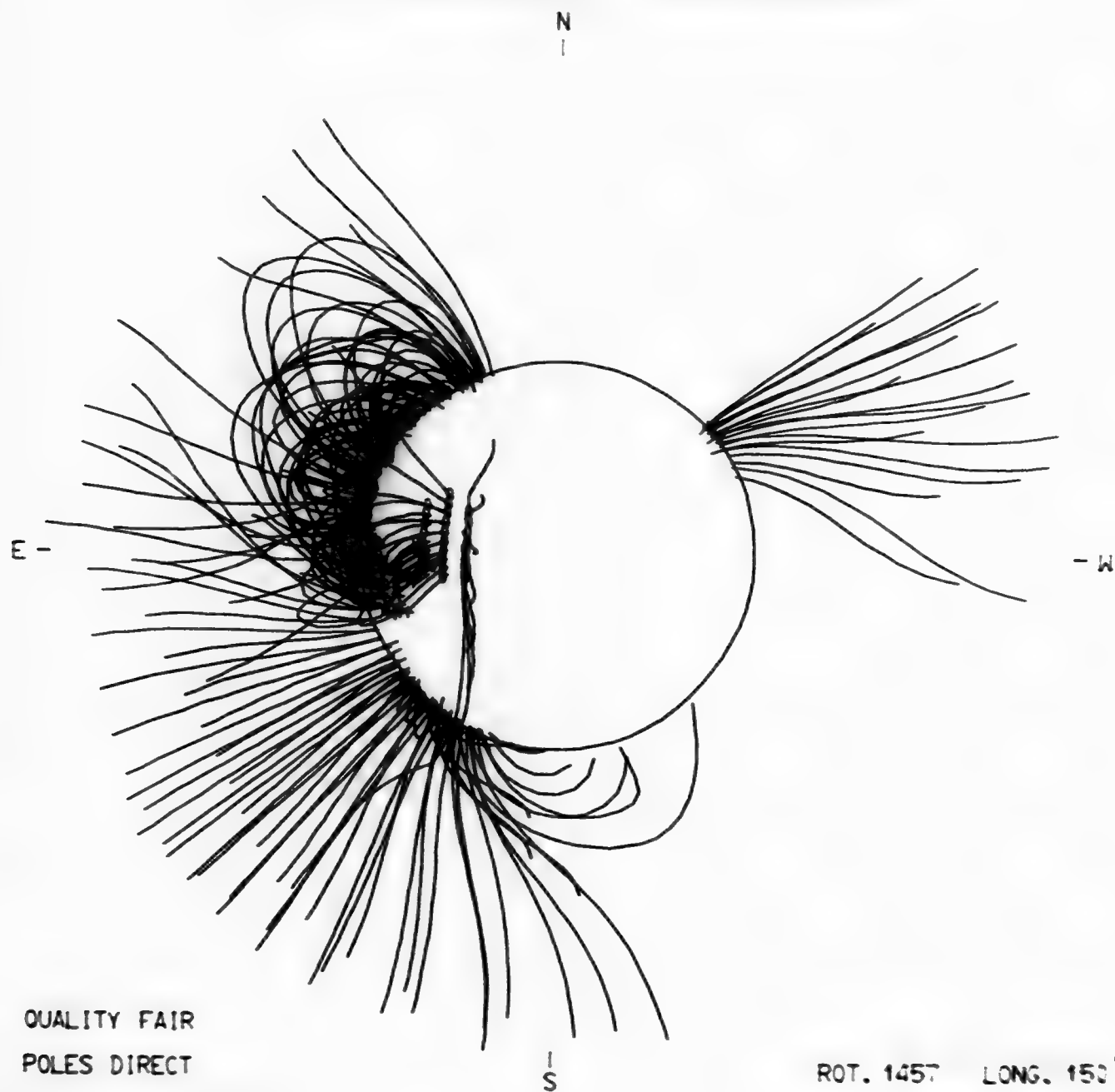
QUALITY FAIR

POLES DIRECT

DATA WINDOW 1457.00

ROT. 1457 LONG. 150°
19.5 AUG 1962

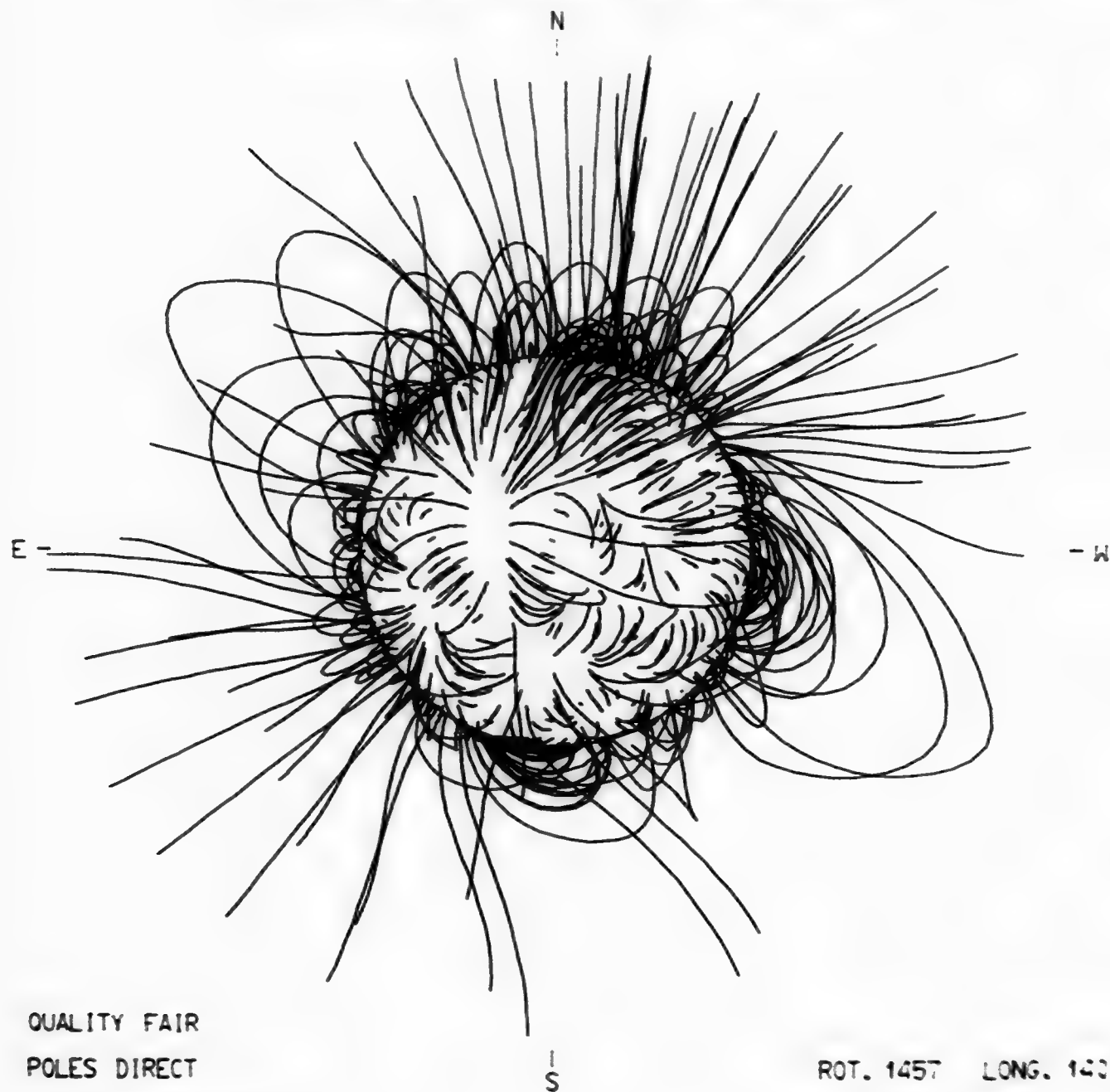
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 150°
19.5 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

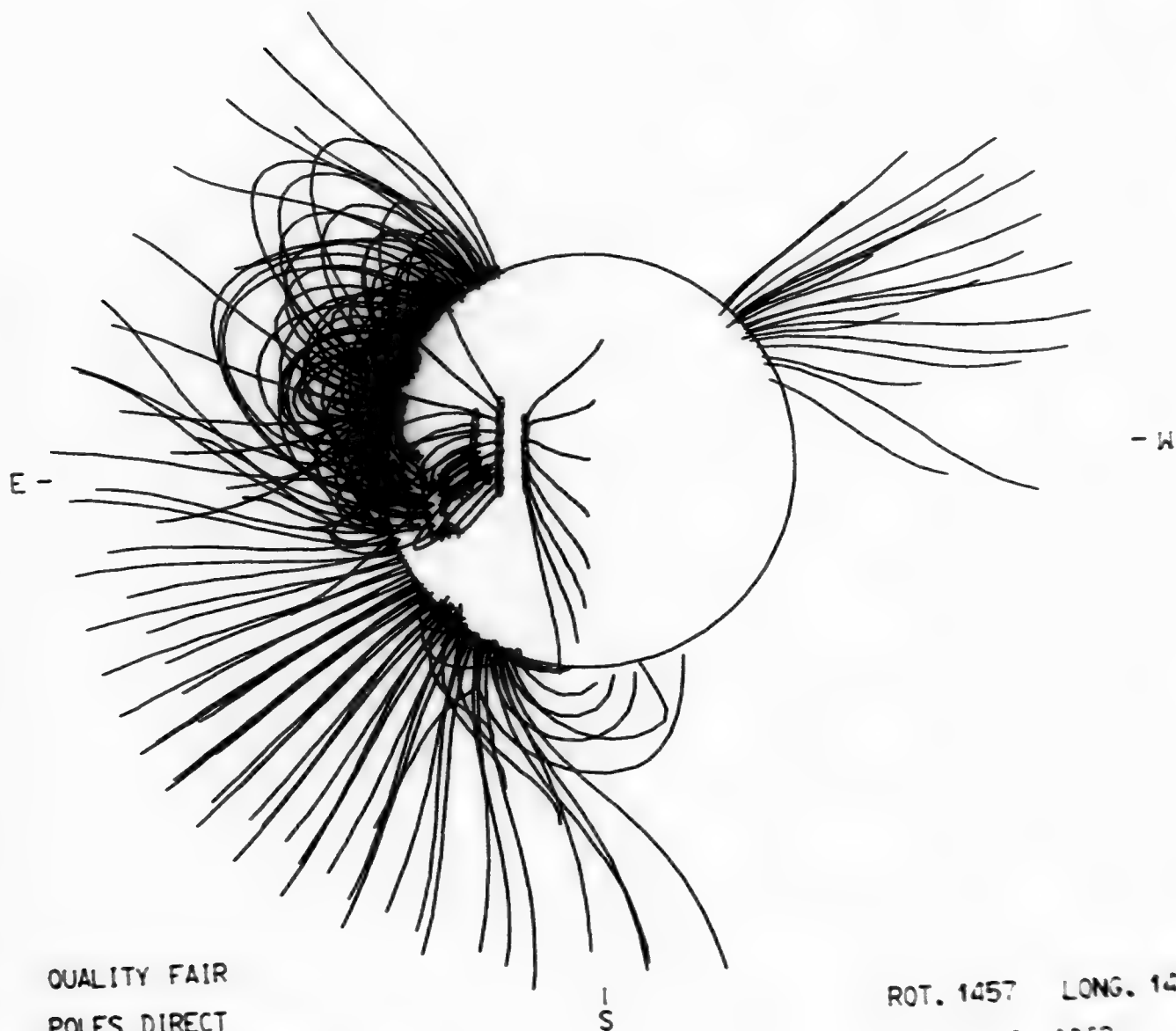
DATA WINDOW 1457.00

ROT. 1457 LONG. 140°

20.2 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

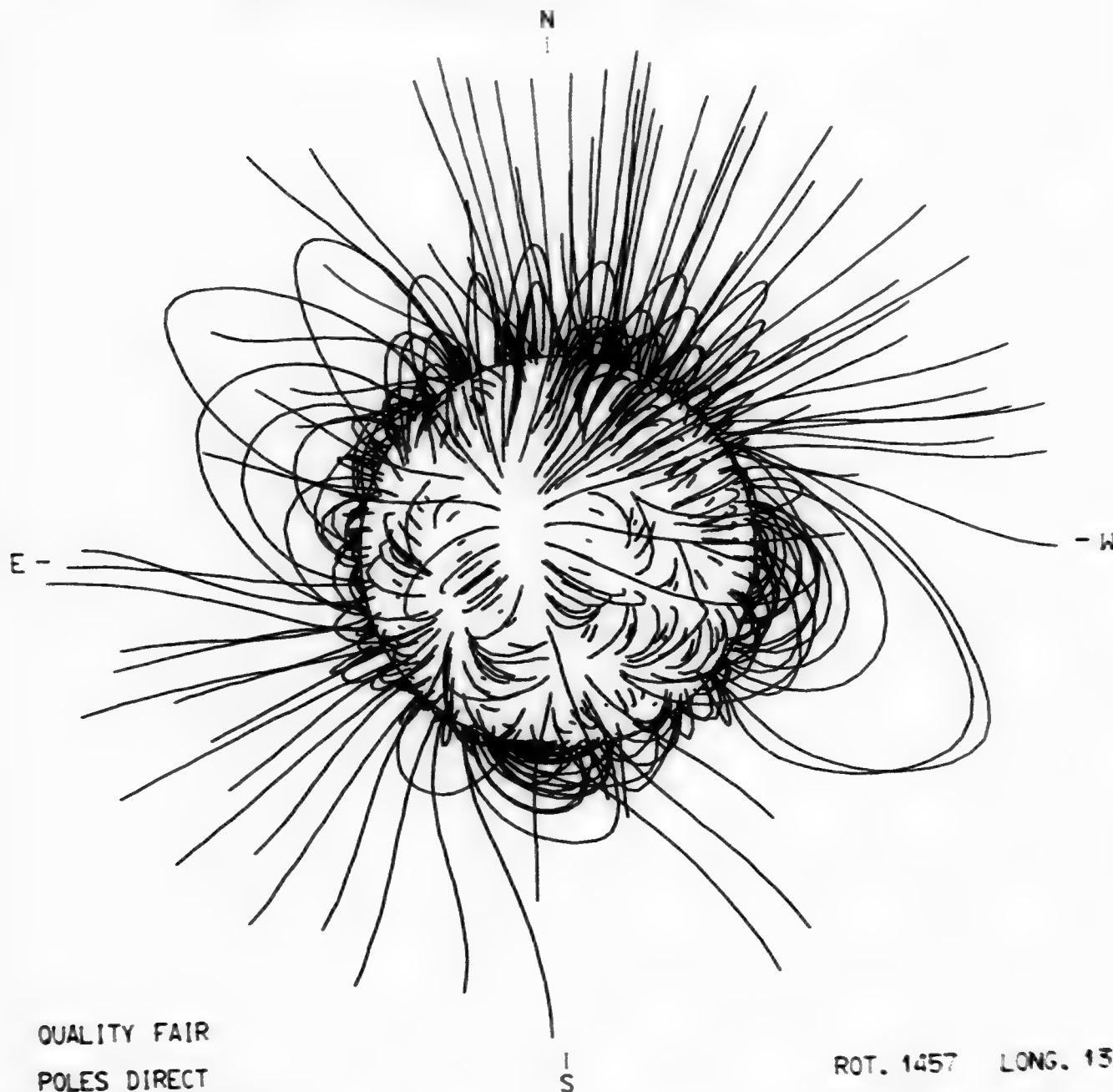
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QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 140°
20.2 AUG 1962

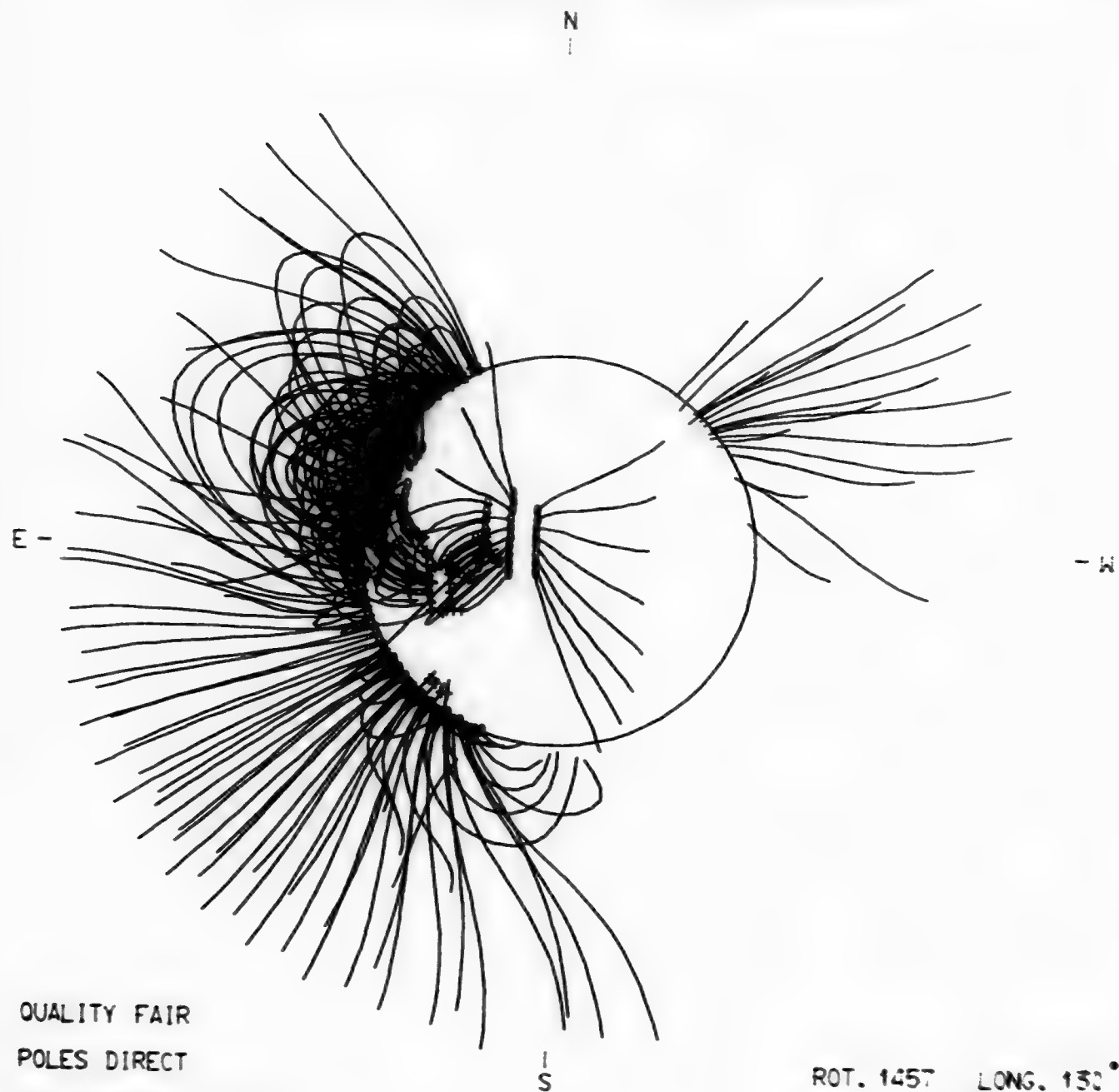
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 130°
21.0 AUG 1962

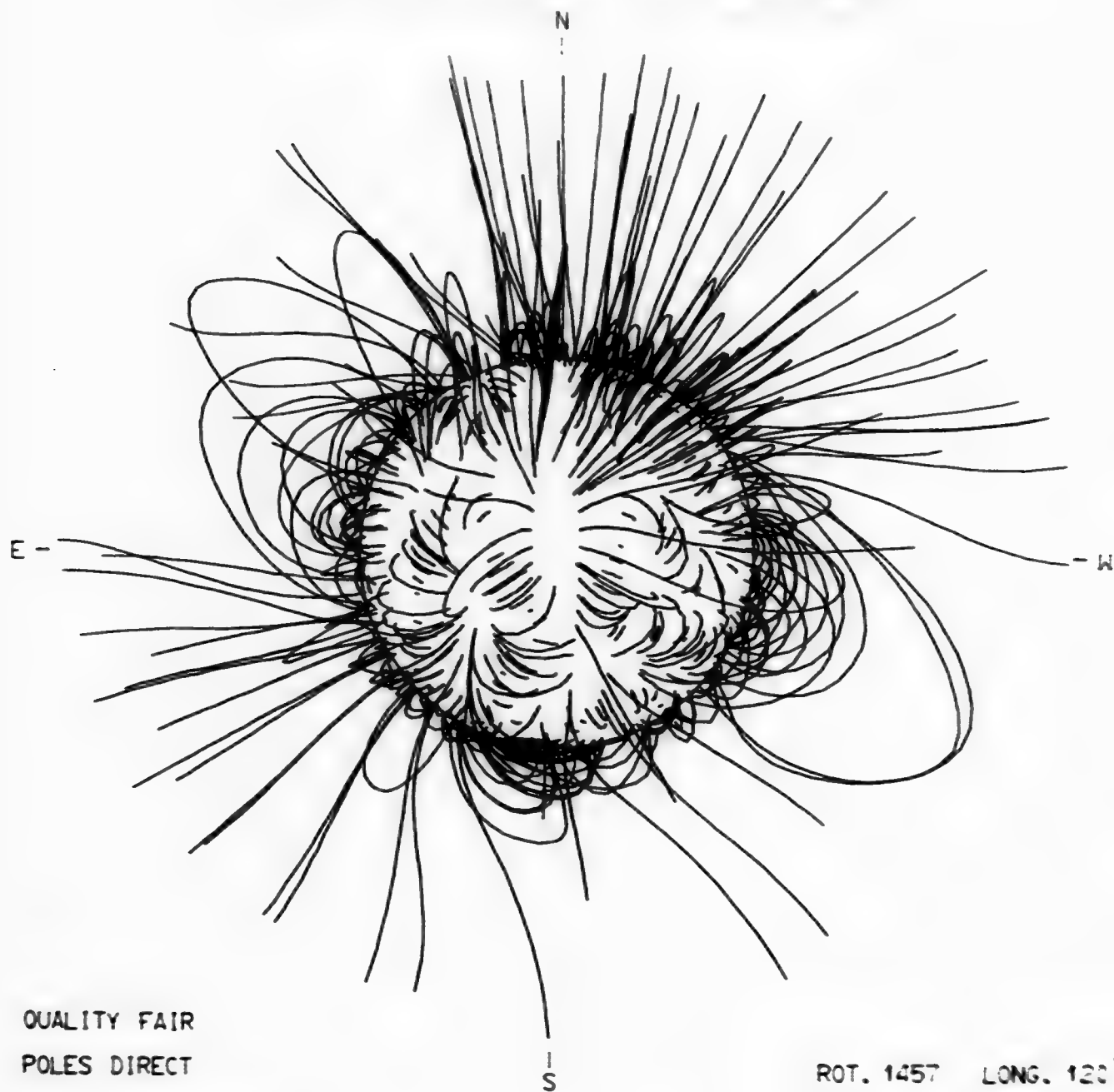
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 130°
21.0 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

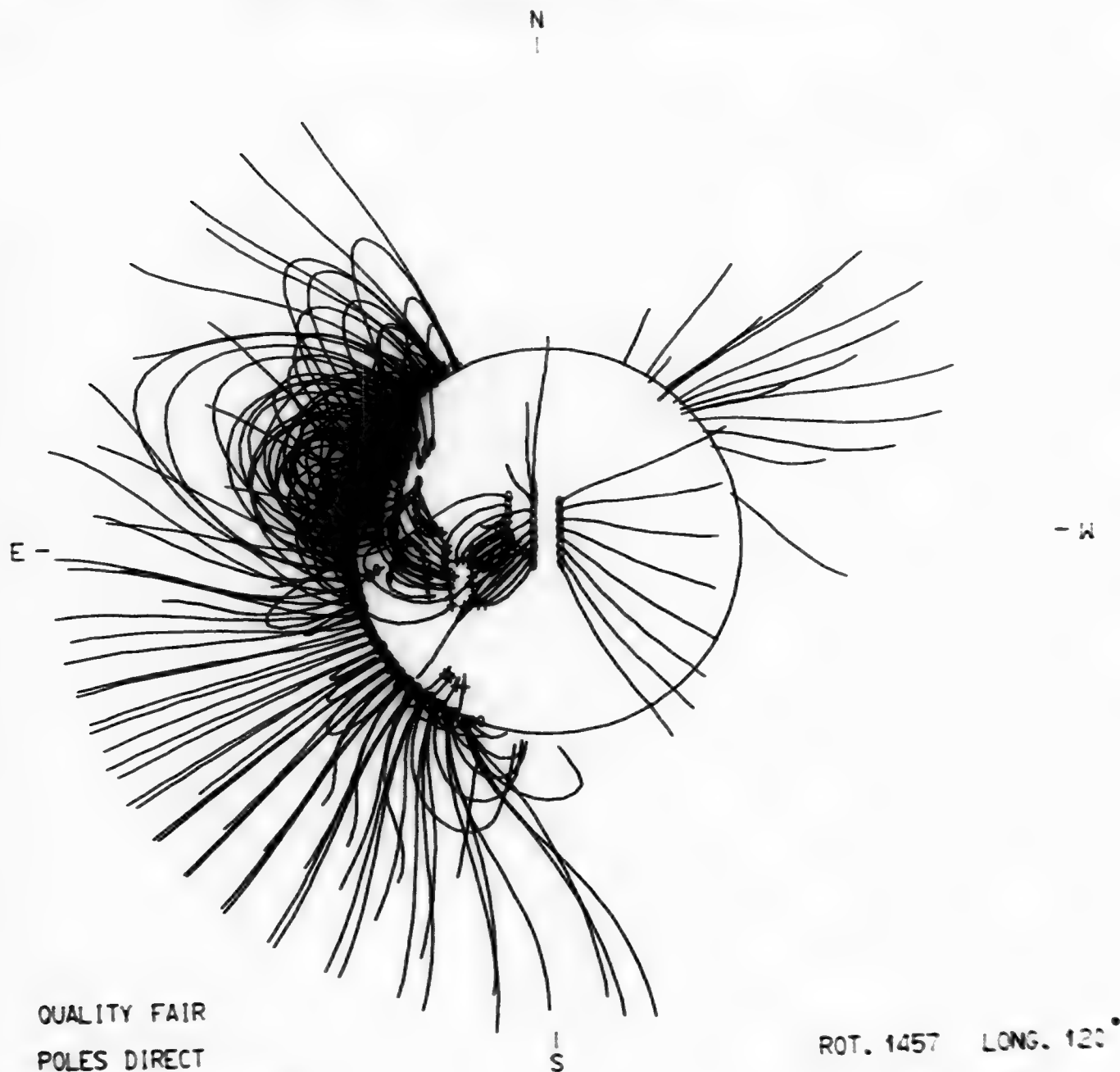
POLES DIRECT

DATA WINDOW 1457.00

ROT. 1457 LONG. 120°

21.8 AUG 1962

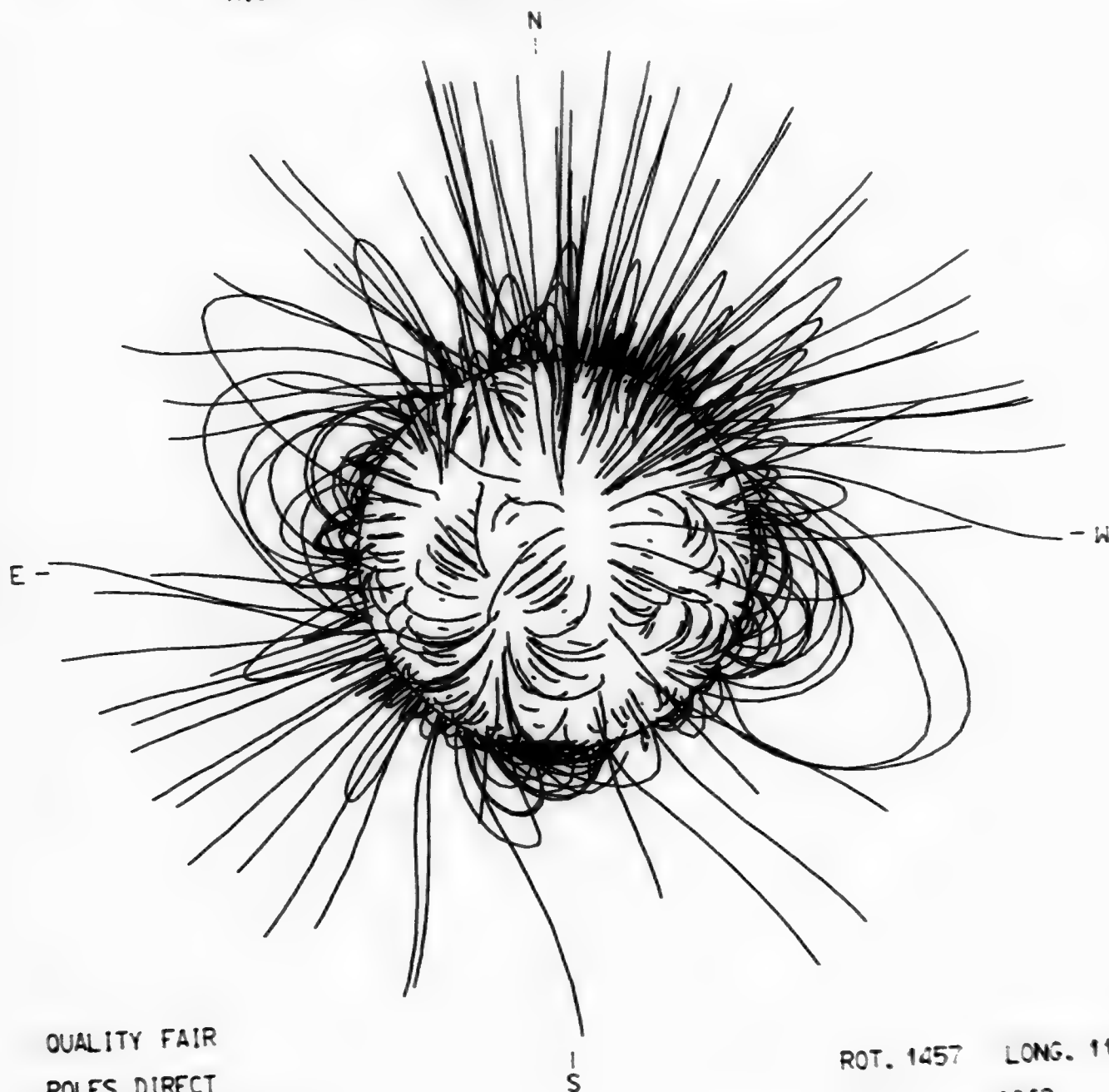
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 120°
21.8 AUG 1962

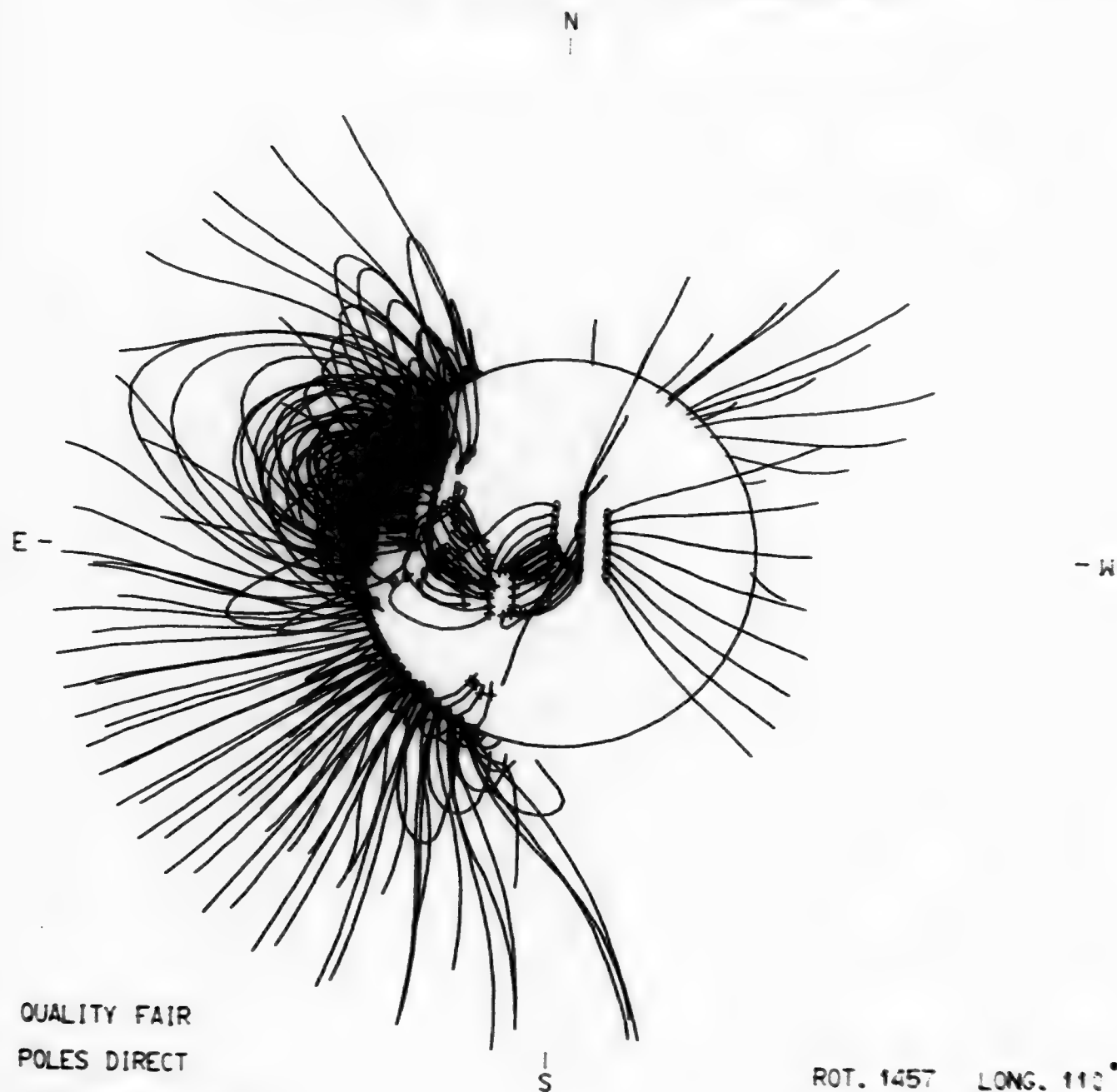
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 110°
22.5 AUG 1962

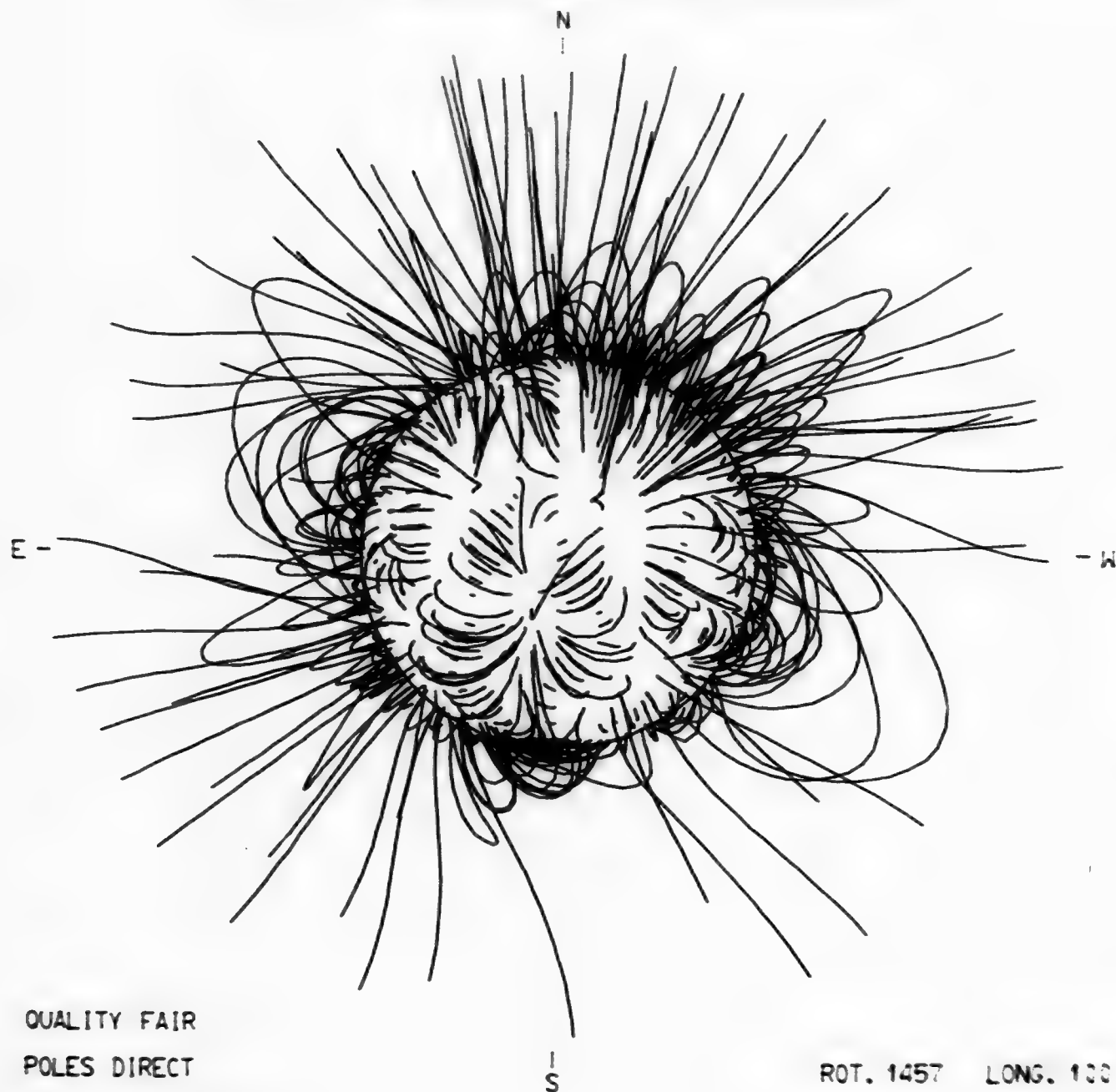
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 110°
22.5 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

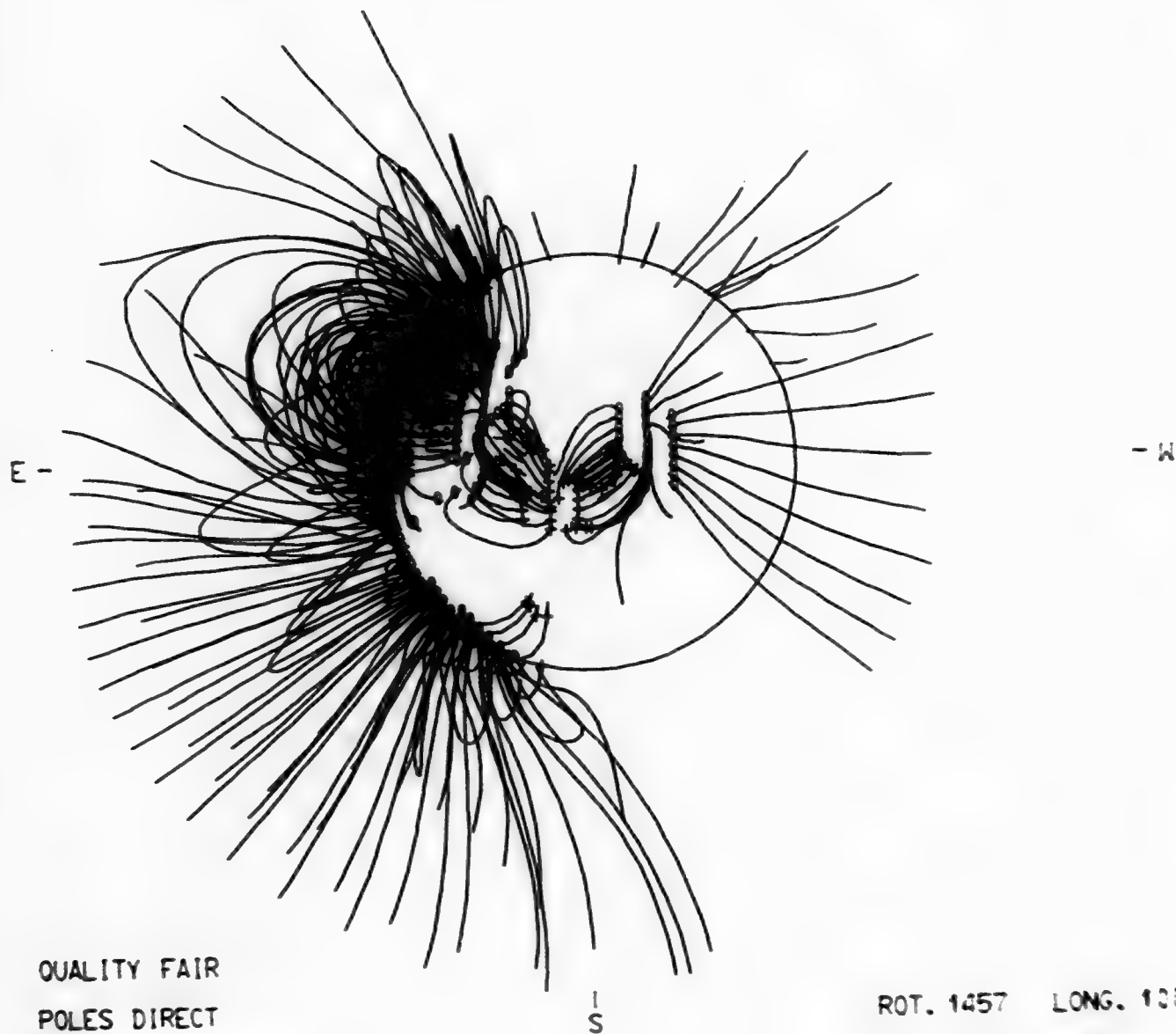
DATA WINDOW 1457.00

ROT. 1457 LONG. 100°

23.3 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

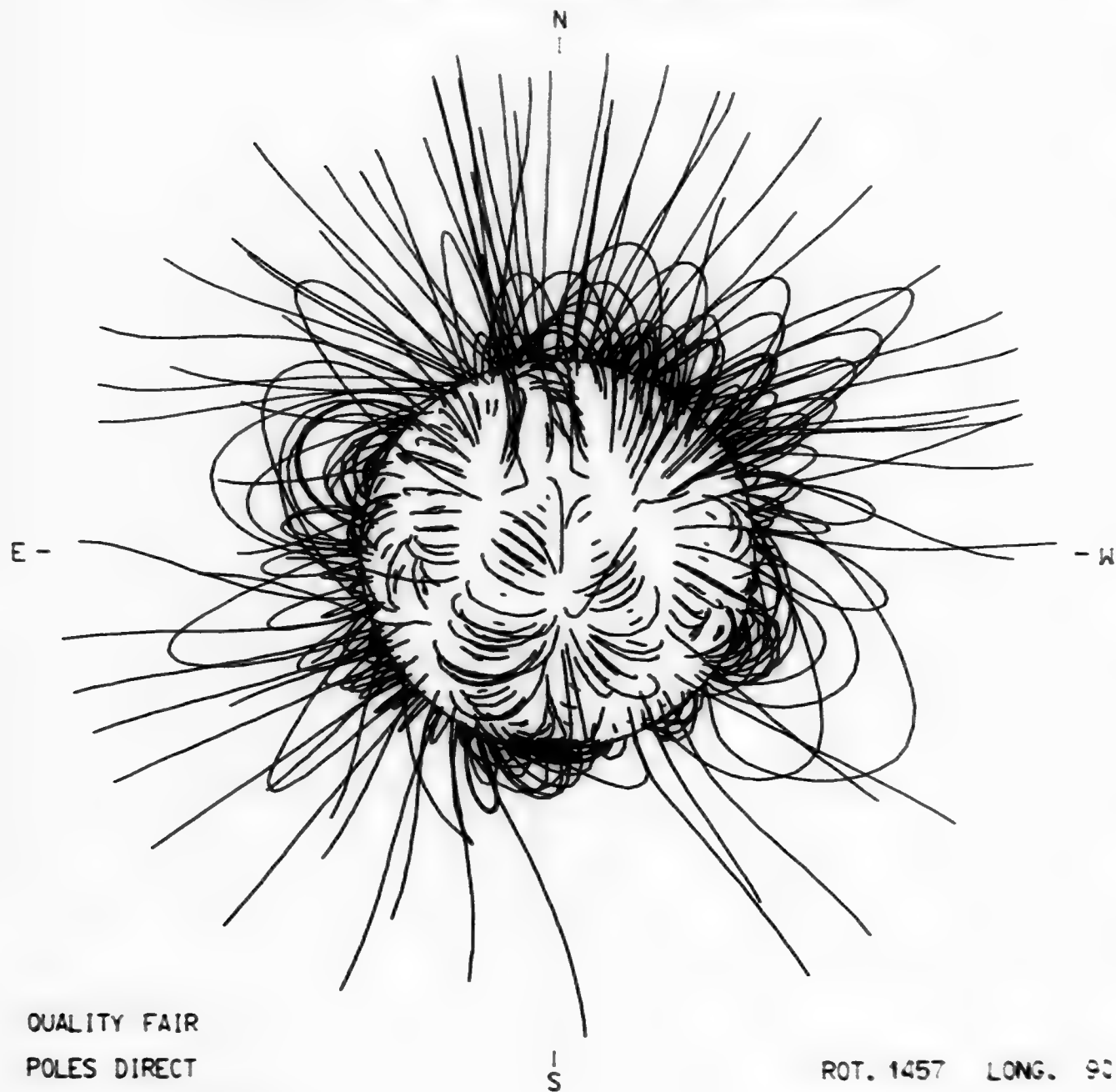
N
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QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 130°
23.3 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1457.00

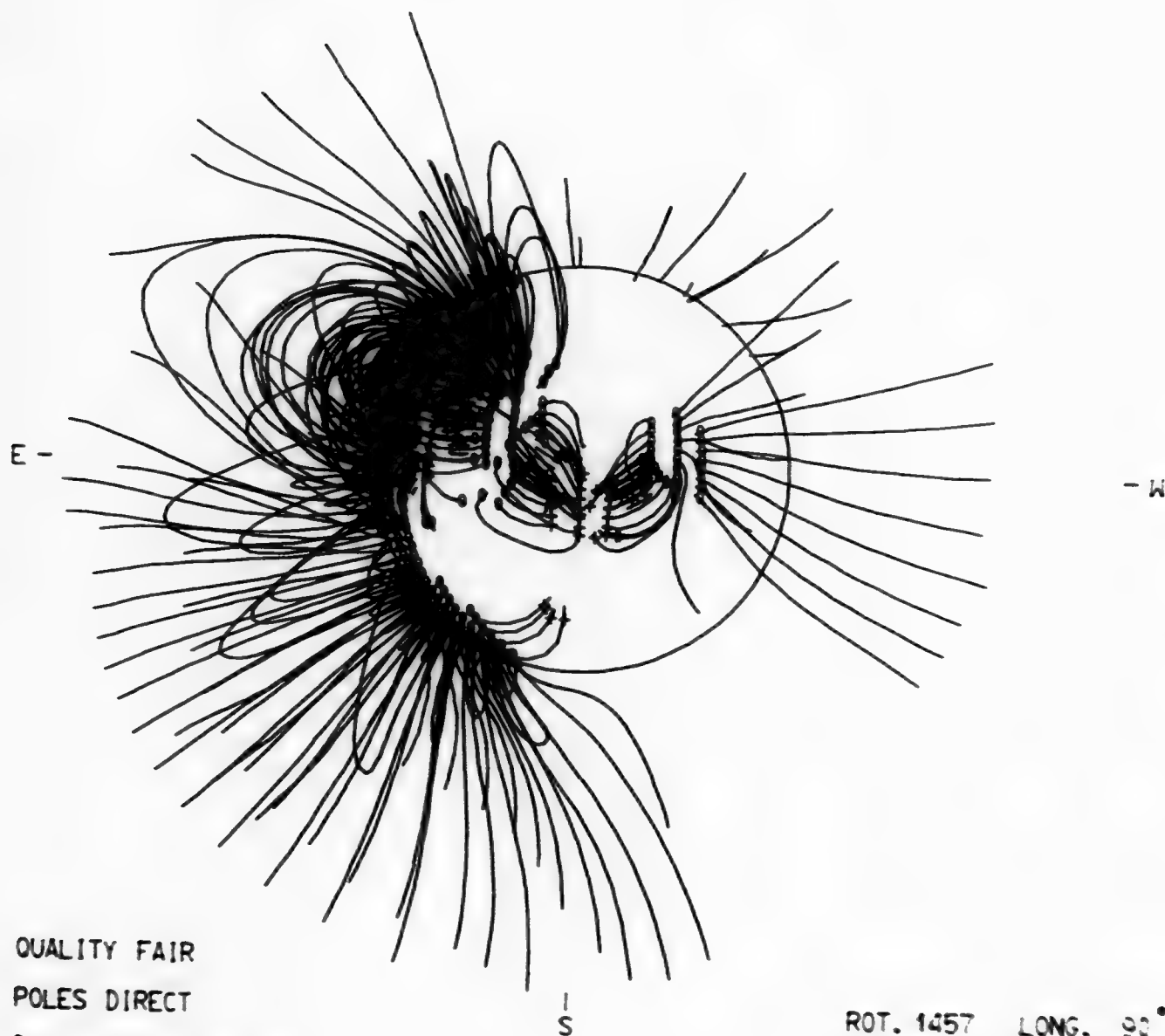
S

ROT. 1457 LONG. 90°

24.0 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

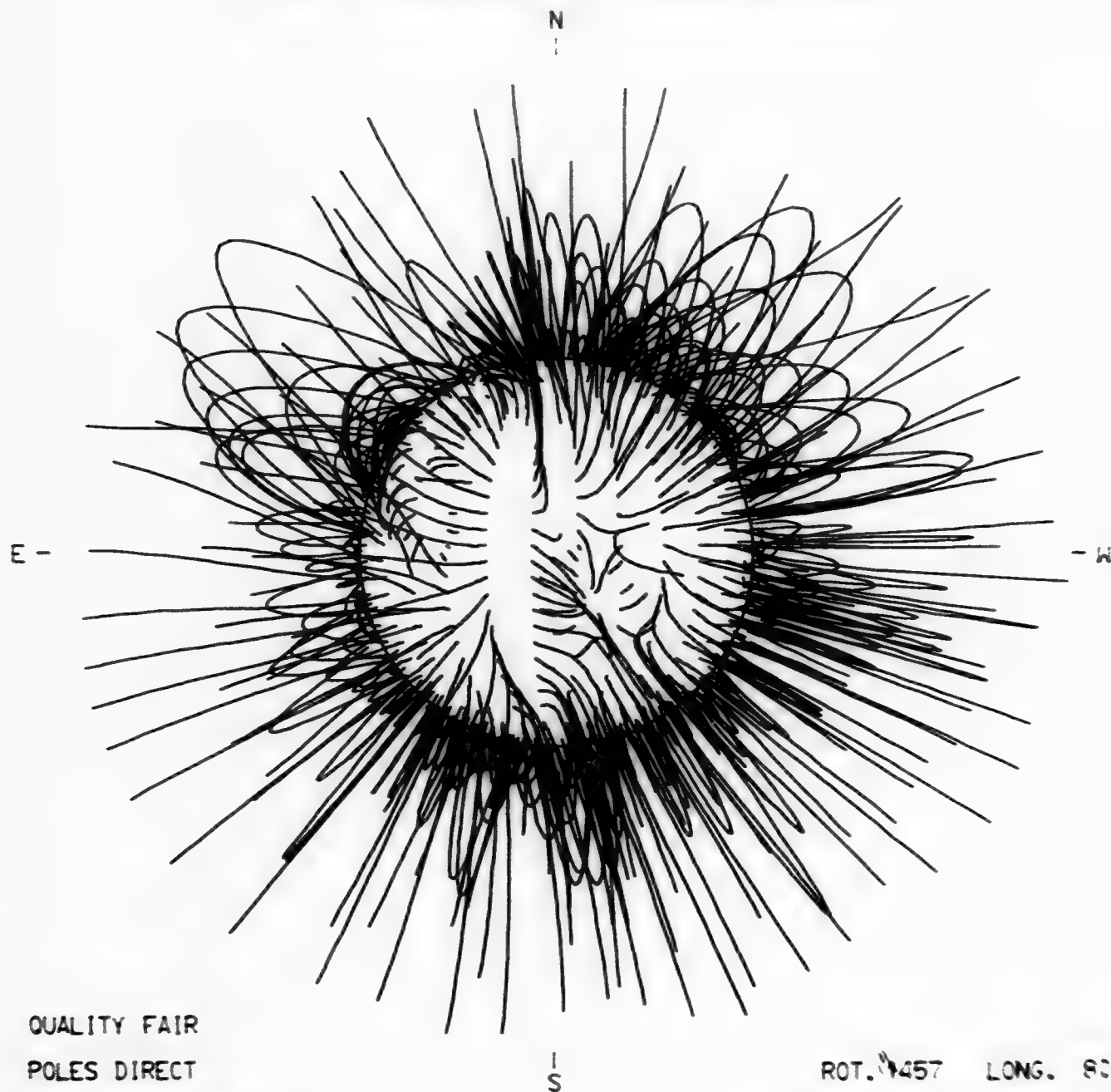
N
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QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.00

ROT. 1457 LONG. 90°
24.0 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

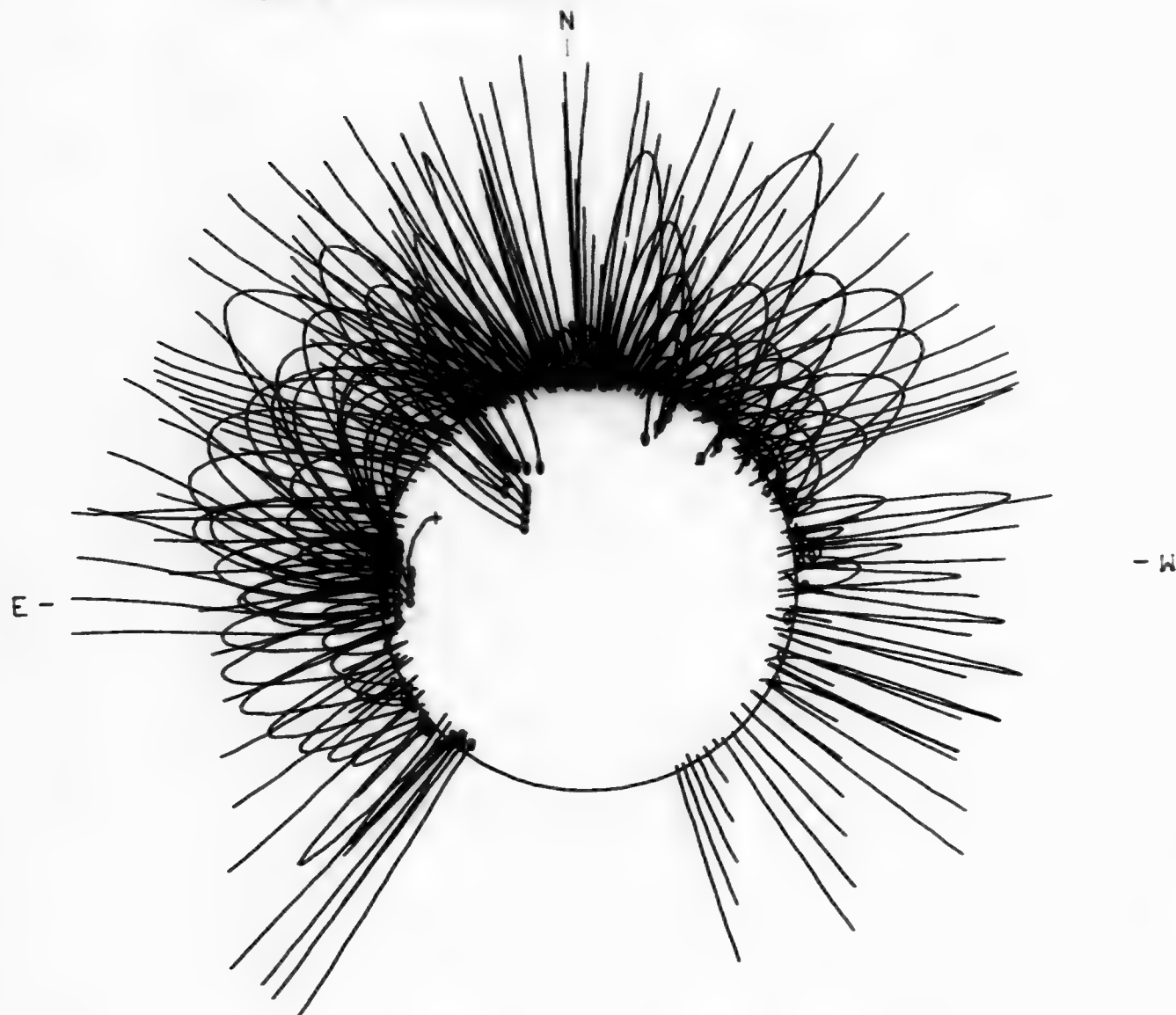
POLES DIRECT

DATA WINDOW 1457.47

ROT. 1457 LONG. 80°

24.8 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

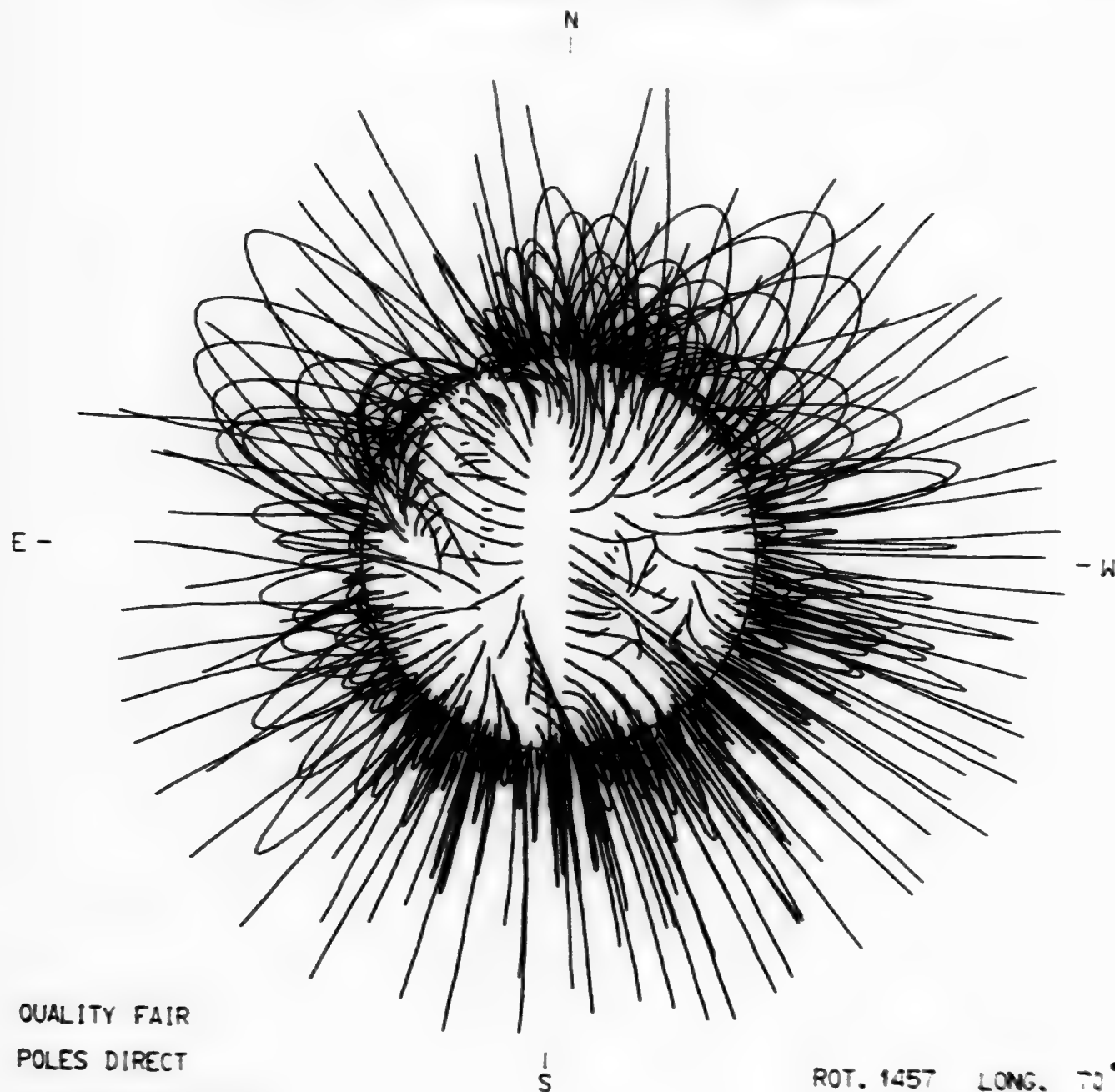


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1457 LONG. 80°
24.8 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

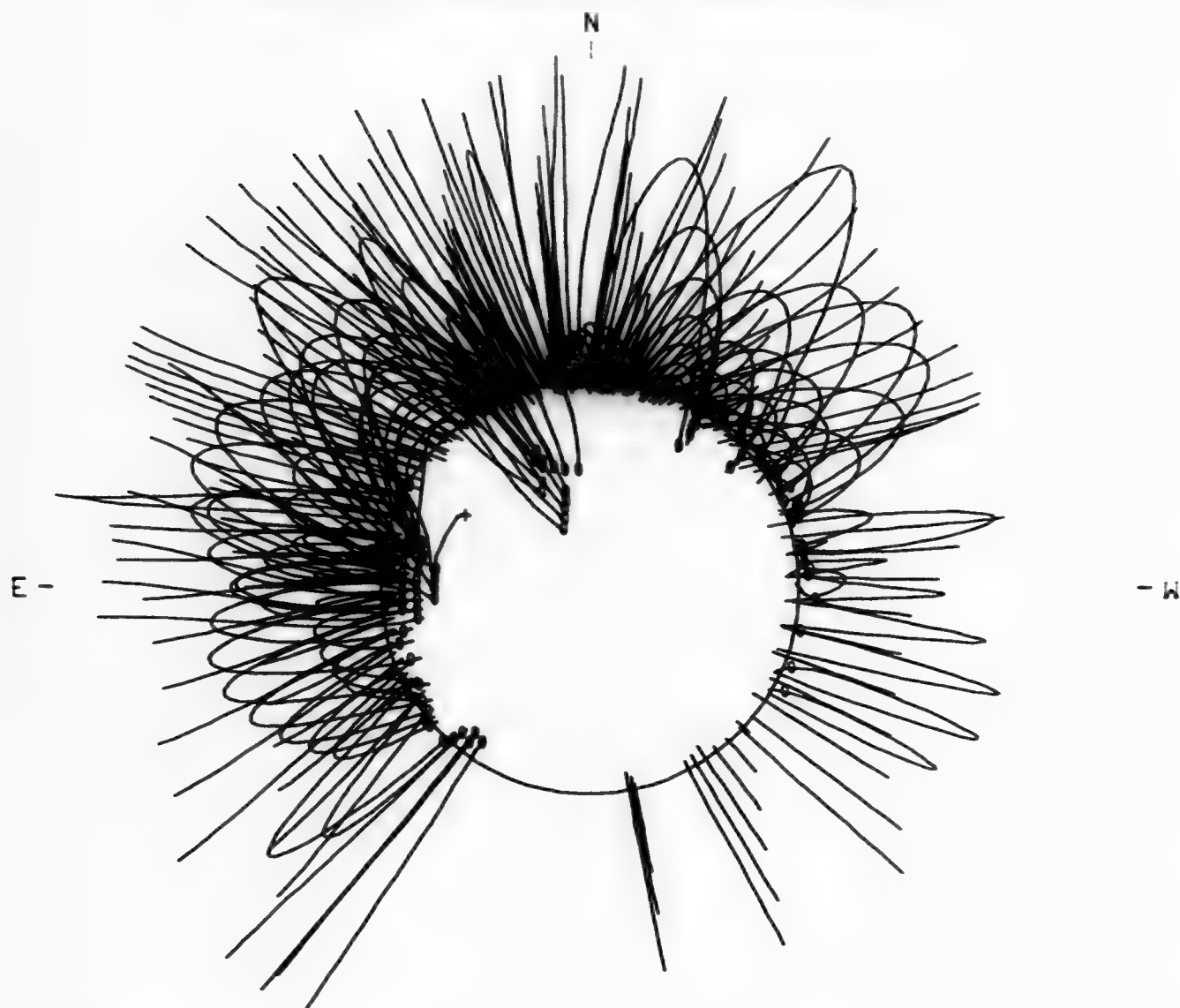
POLES DIRECT

DATA WINDOW 1457.47

ROT. 1457 LONG. 70°

25.5 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

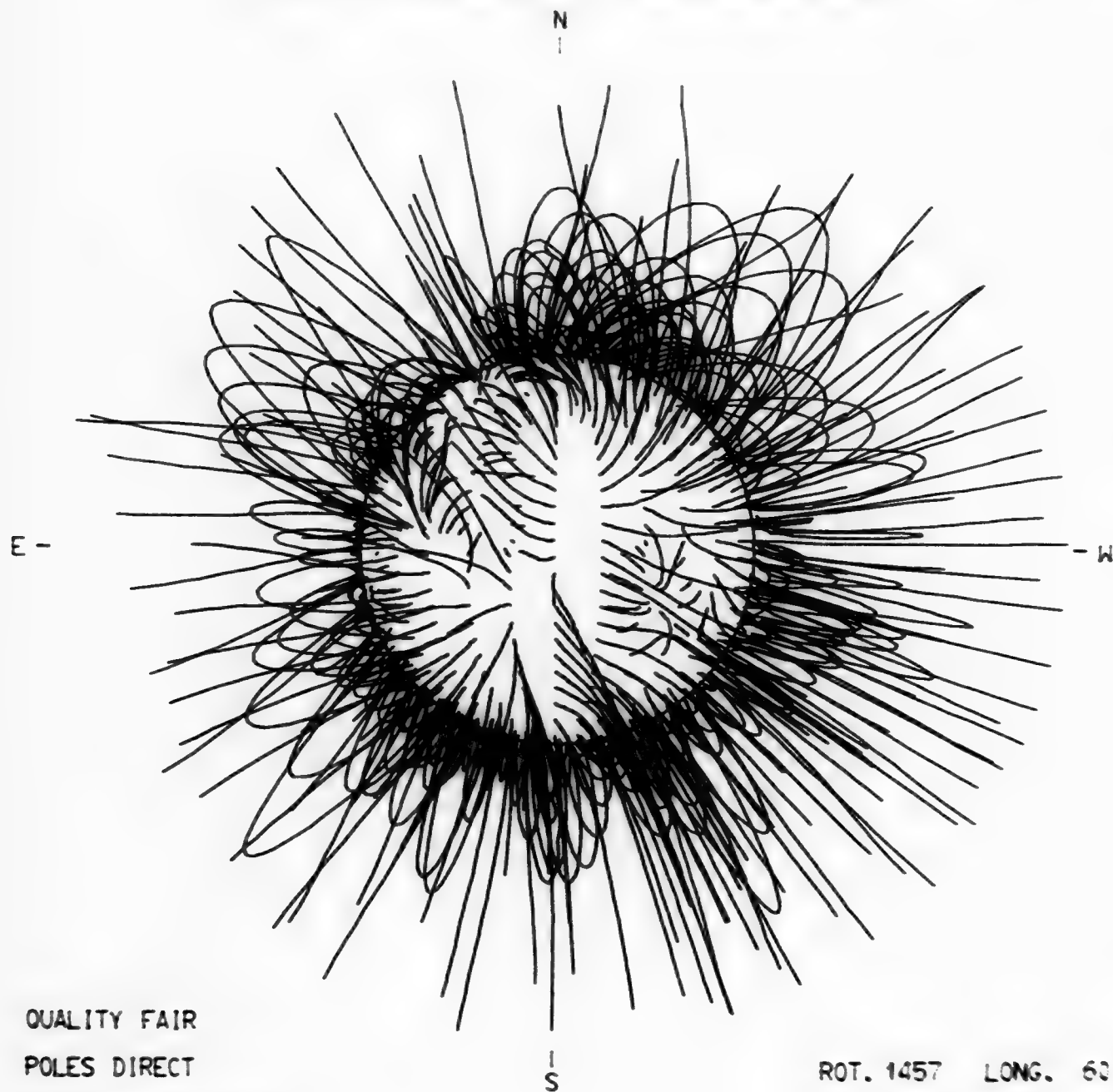


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1457 LONG. 70°
25.5 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

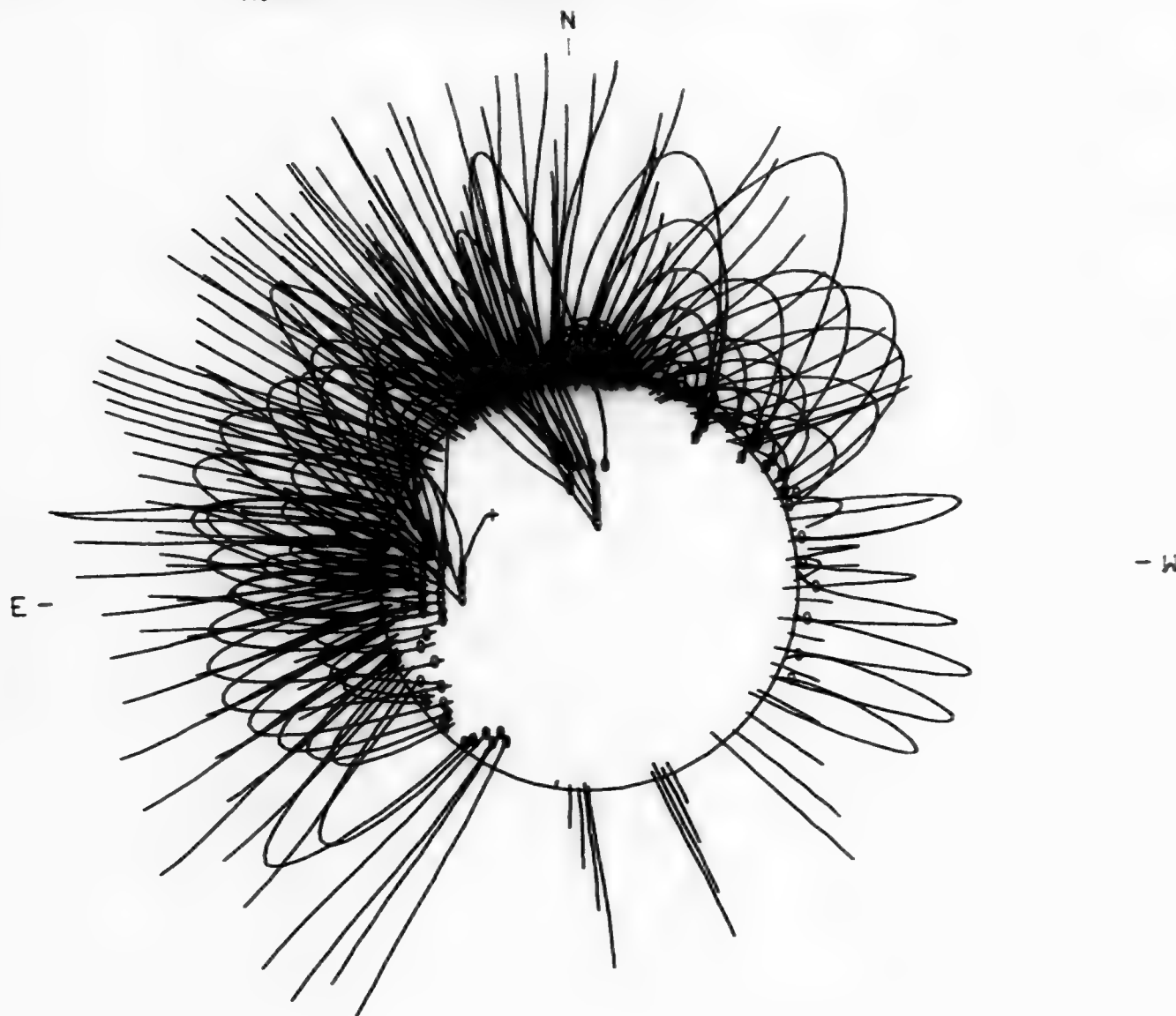
POLES DIRECT

DATA WINDOW 1457.47

ROT. 1457 LONG. 60°

26.3 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

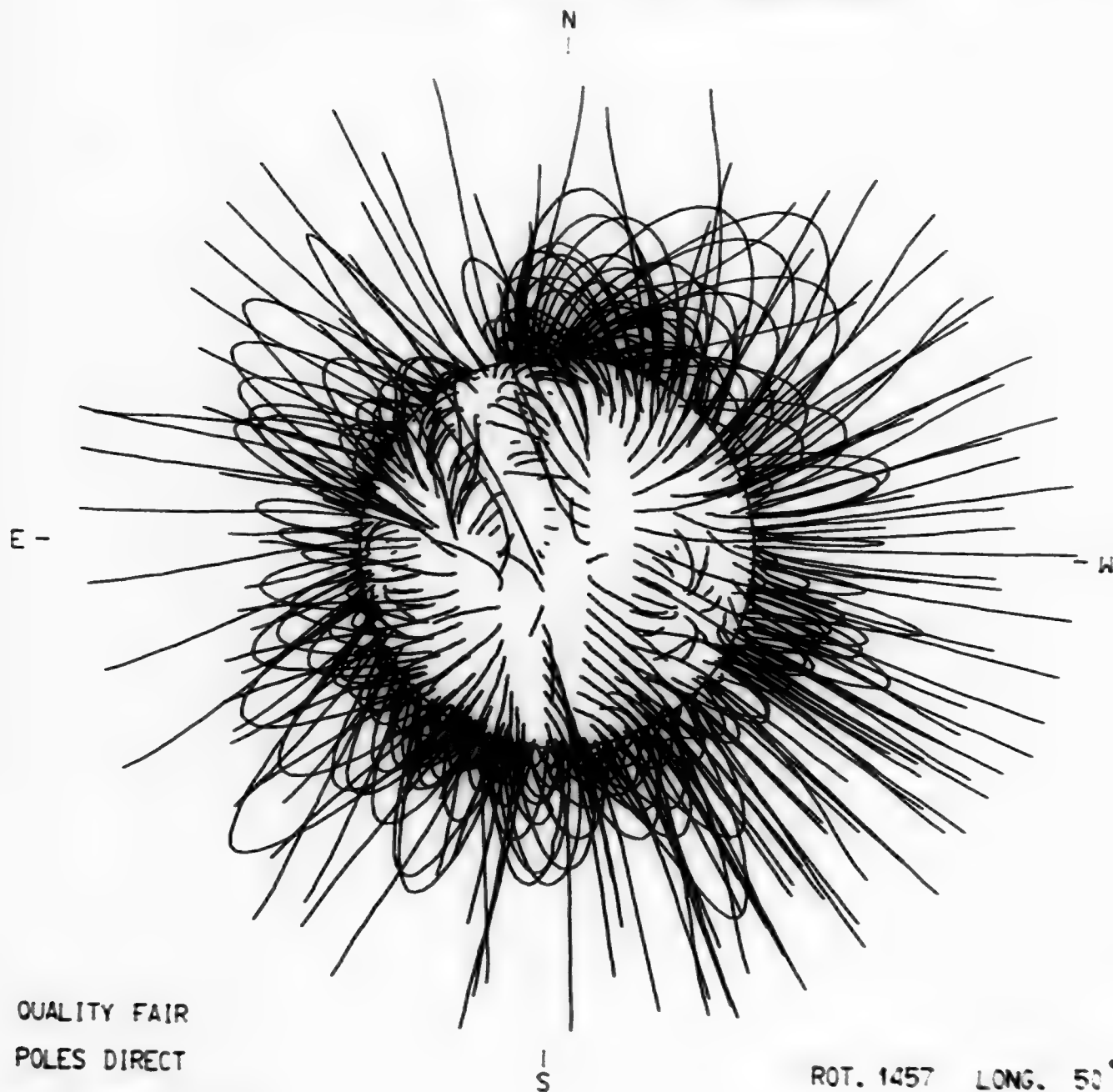


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

1
S

ROT. 1457 LONG. 60°
26.3 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

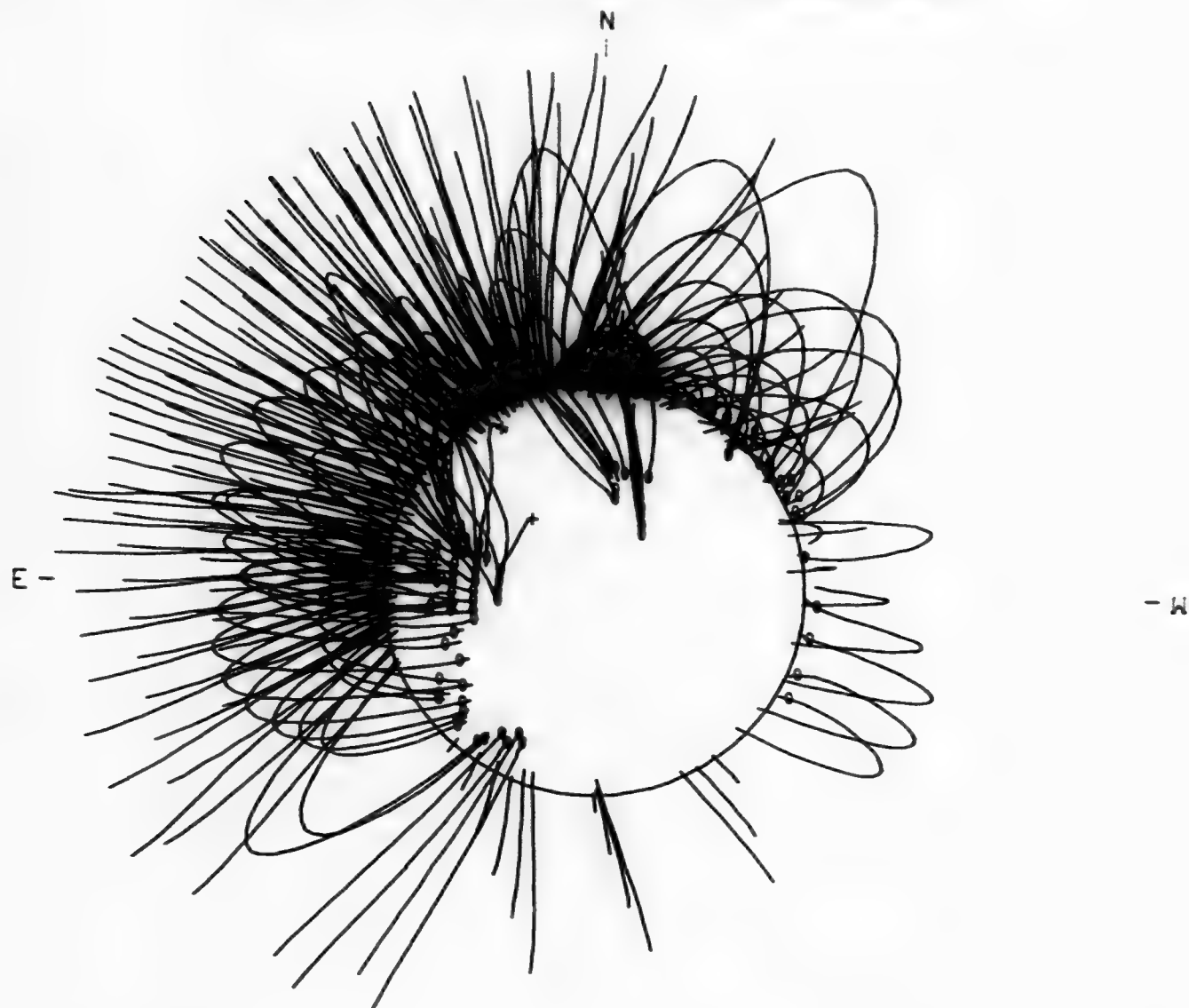
POLES DIRECT

DATA WINDOW 1457.47

ROT. 1457 LONG. 50°

27.1 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

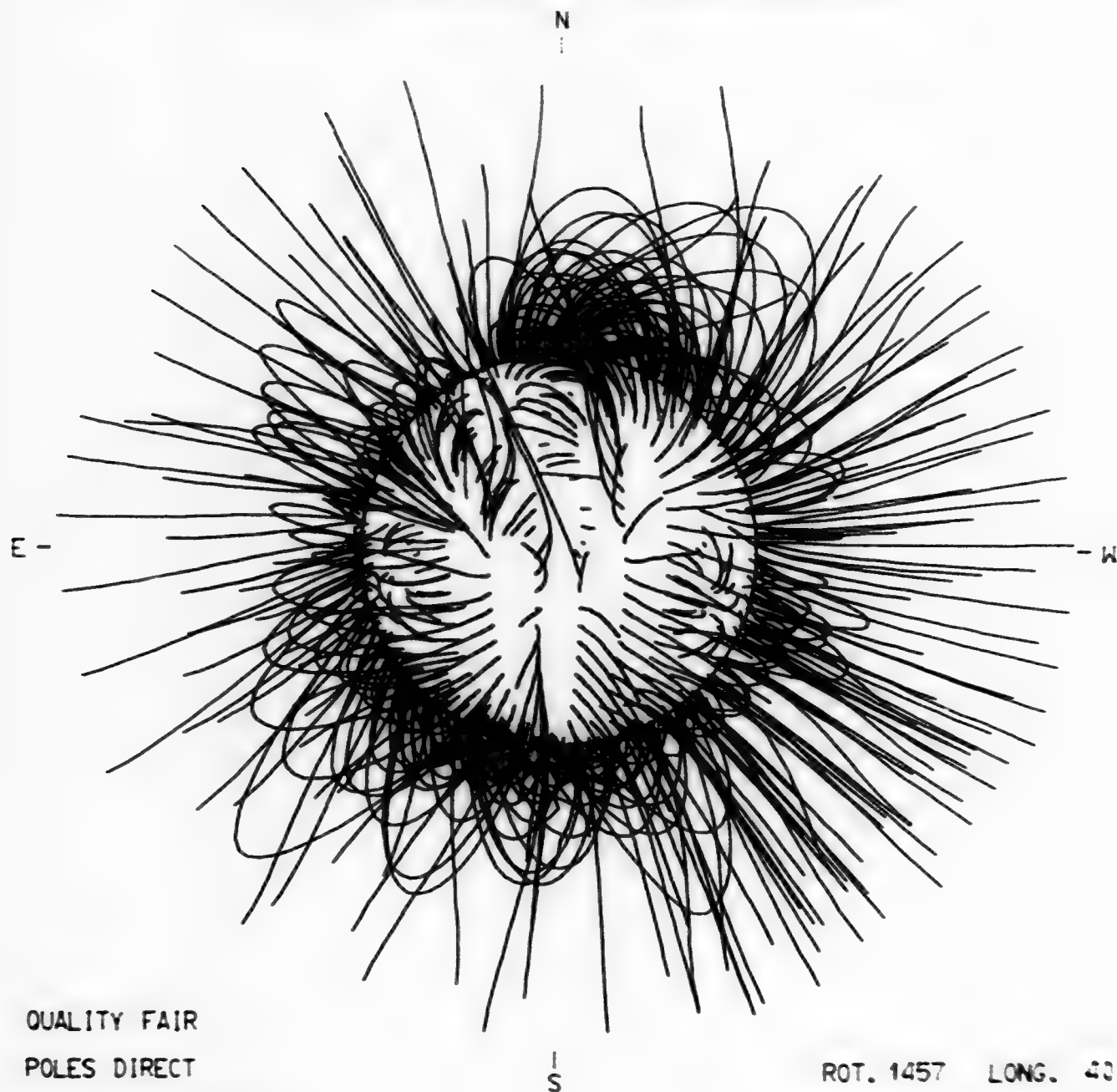


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1457 LONG. 50°
27.1 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

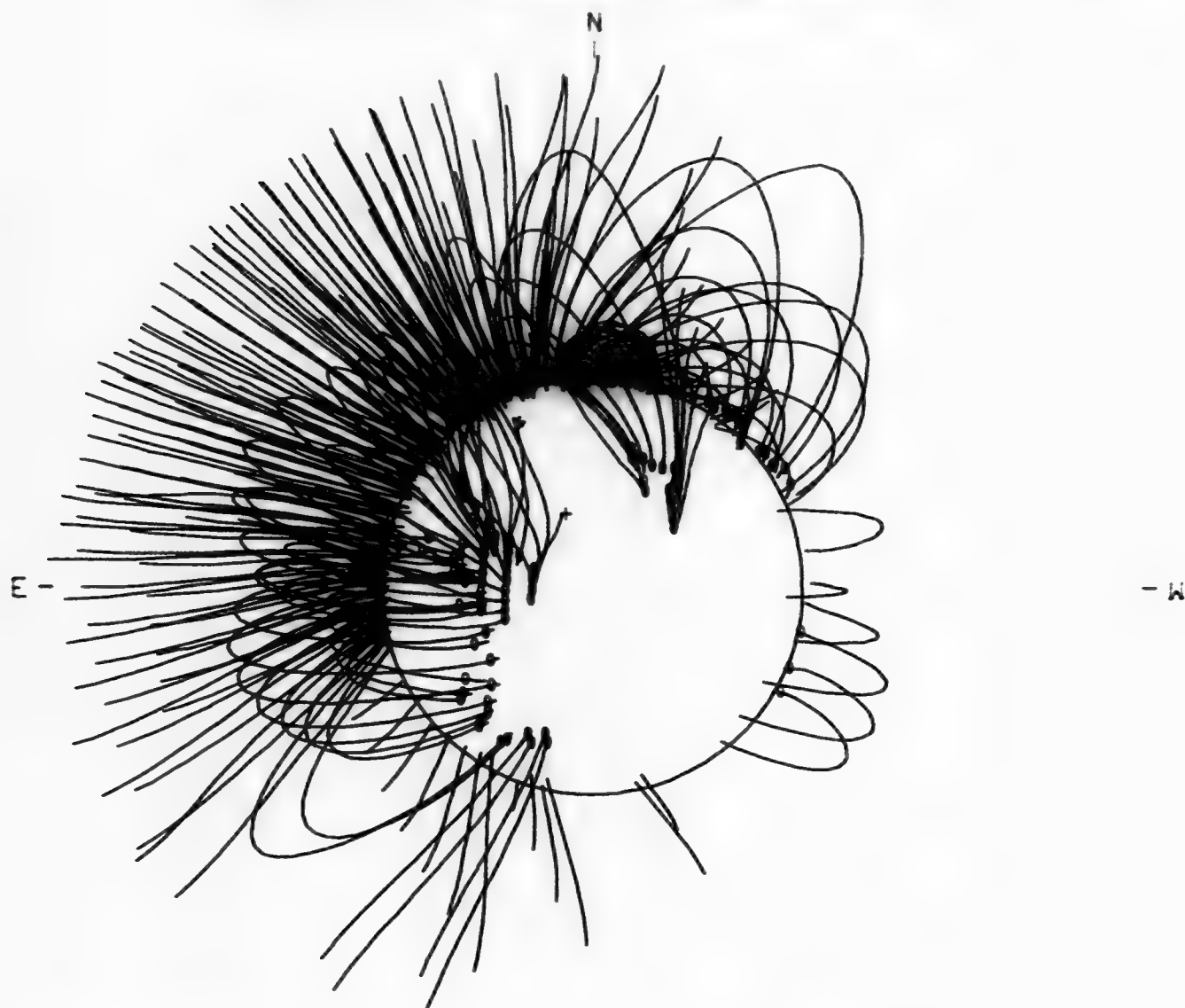
DATA WINDOW 1457.47

S

ROT. 1457 LONG. 40°

27.8 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

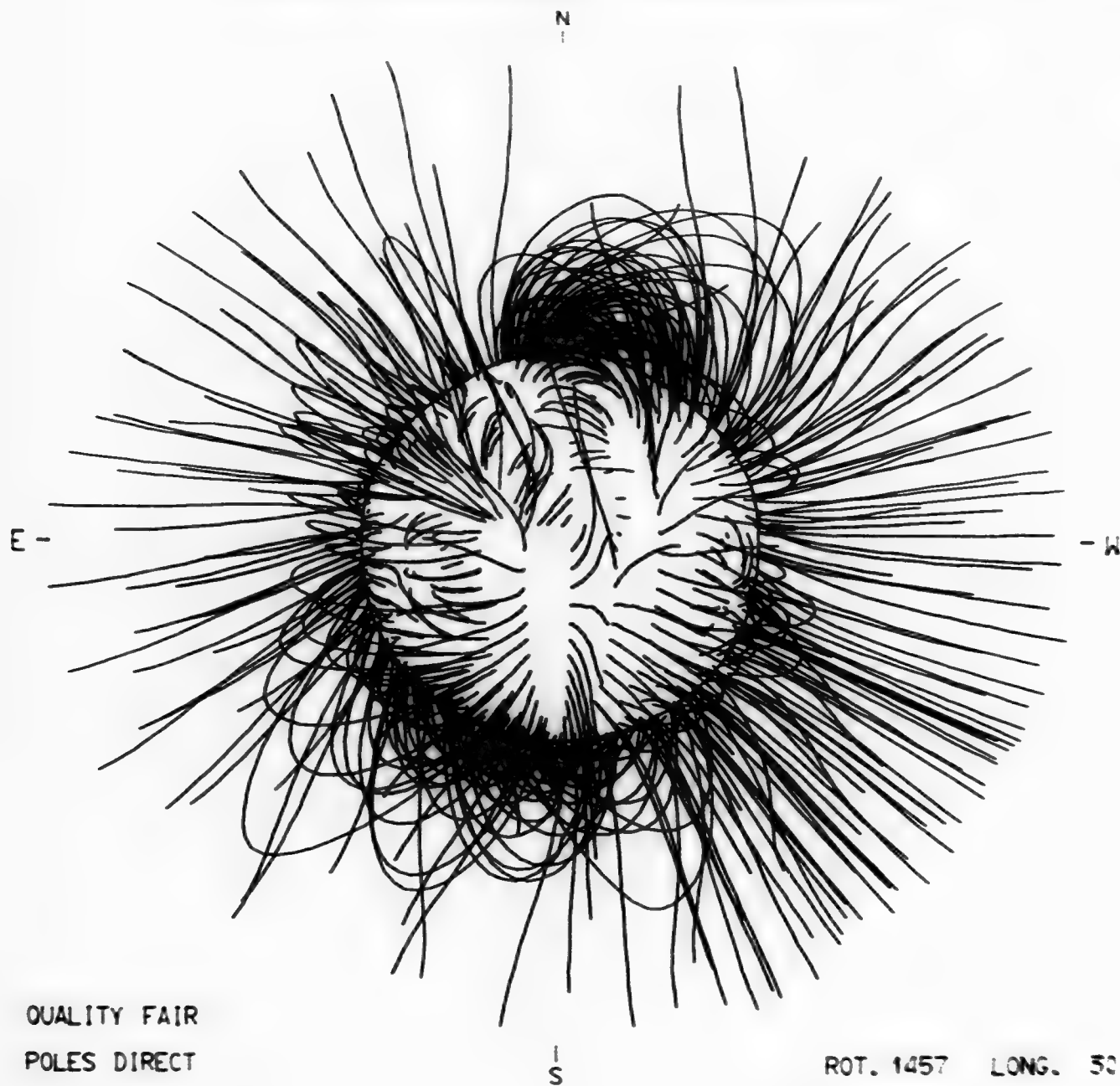


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1457 LONG. 40°
27.8 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

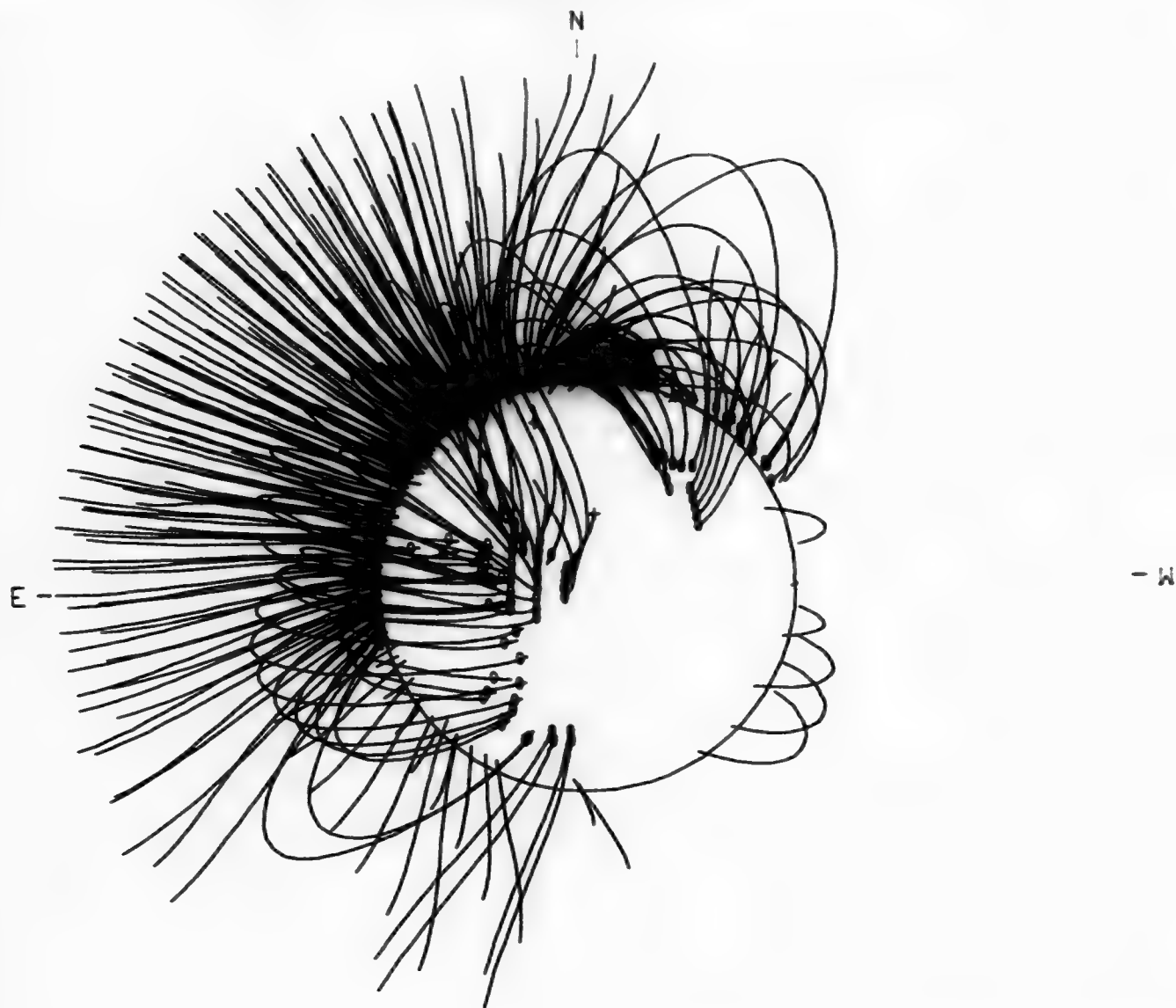
POLES DIRECT

DATA WINDOW 1457.47

ROT. 1457 LONG. 30°

28.6 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

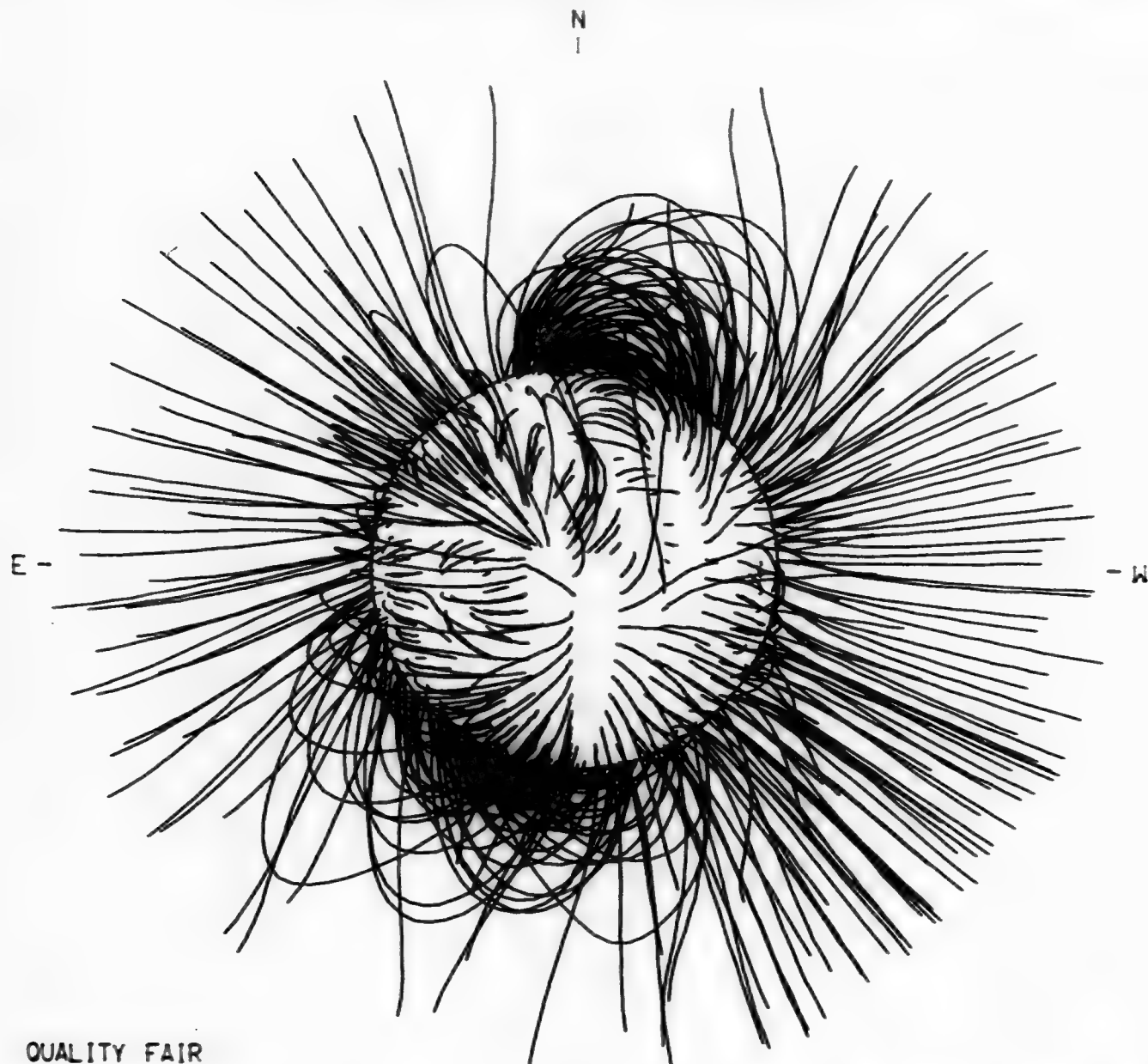


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1457 LONG. 30°
28.6 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

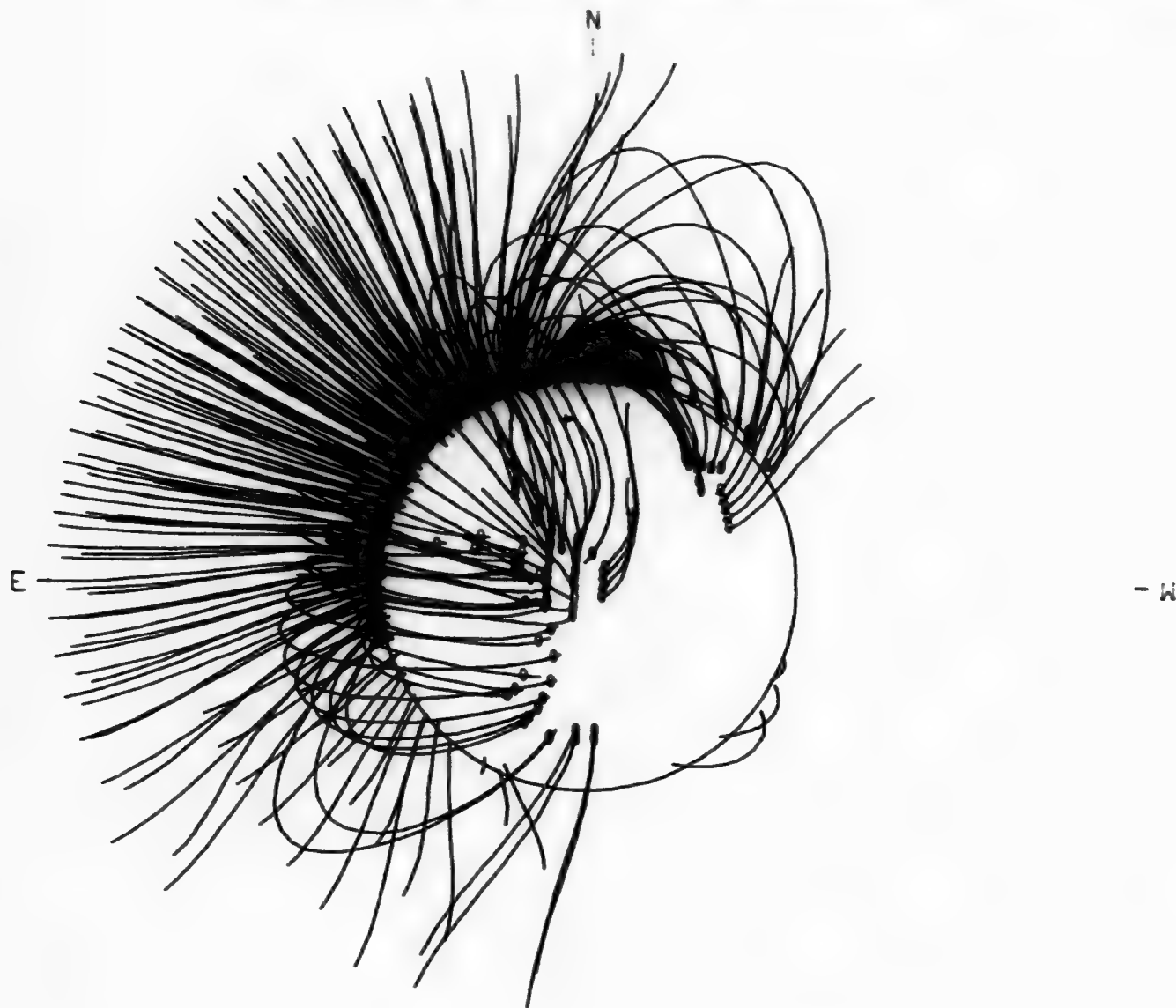
DATA WINDOW 1457.47

I
S

ROT. 1457 LONG. 20°

29.3 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

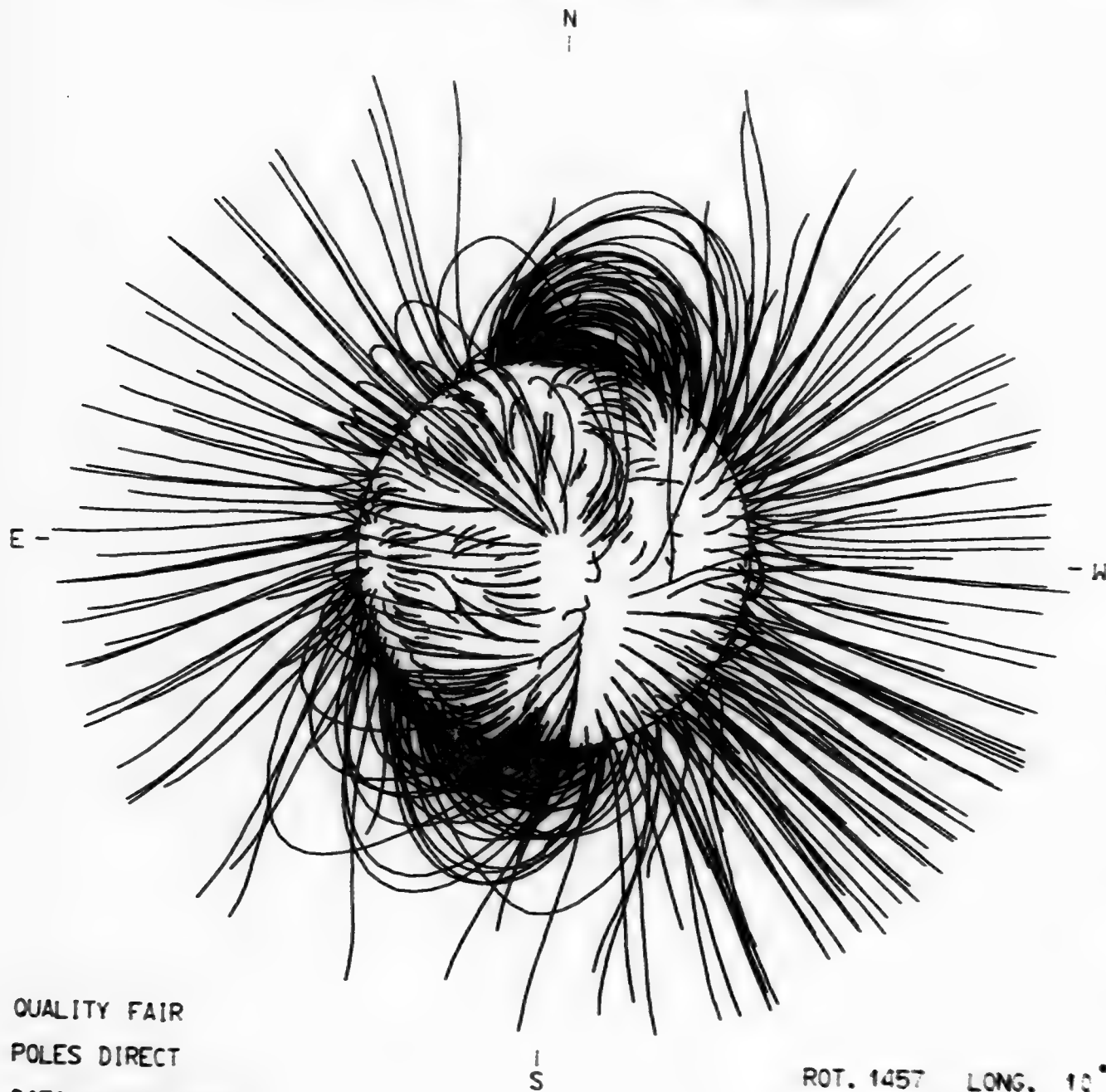


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1457 LONG. 20°
29.3 AUG 1962

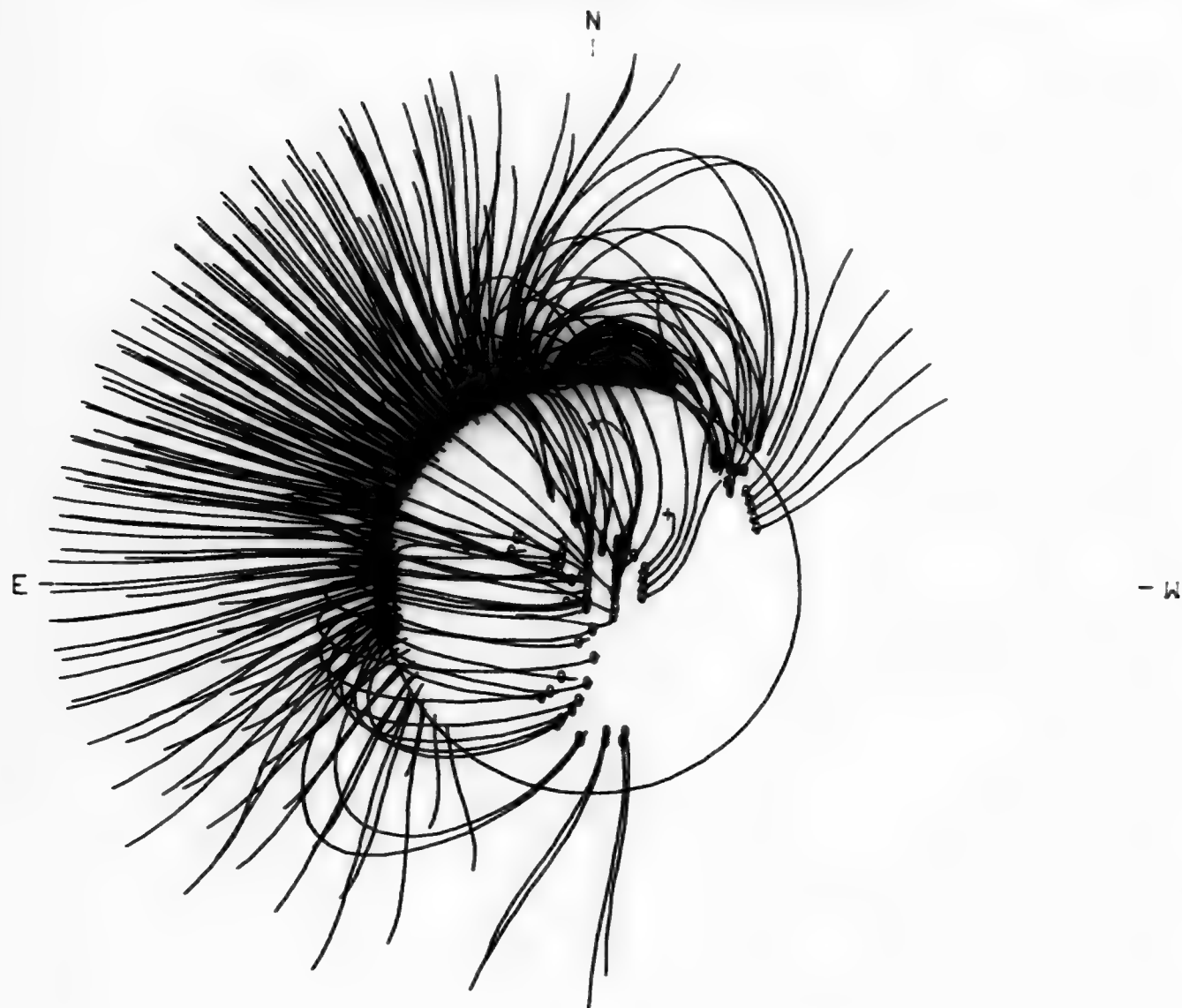
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

ROT. 1457 LONG. 10°
30.1 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

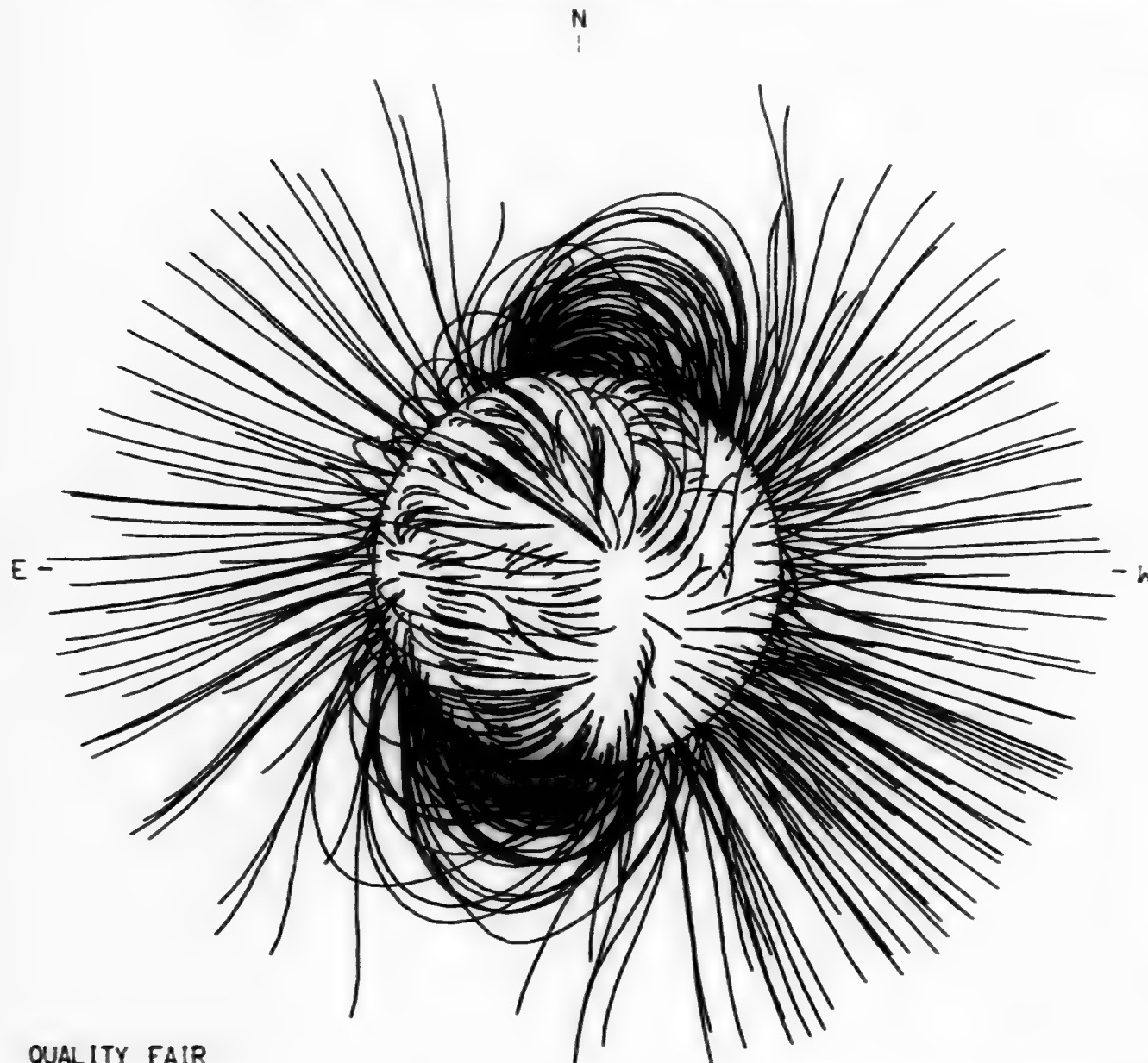


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1457 LONG. 10°
30.1 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

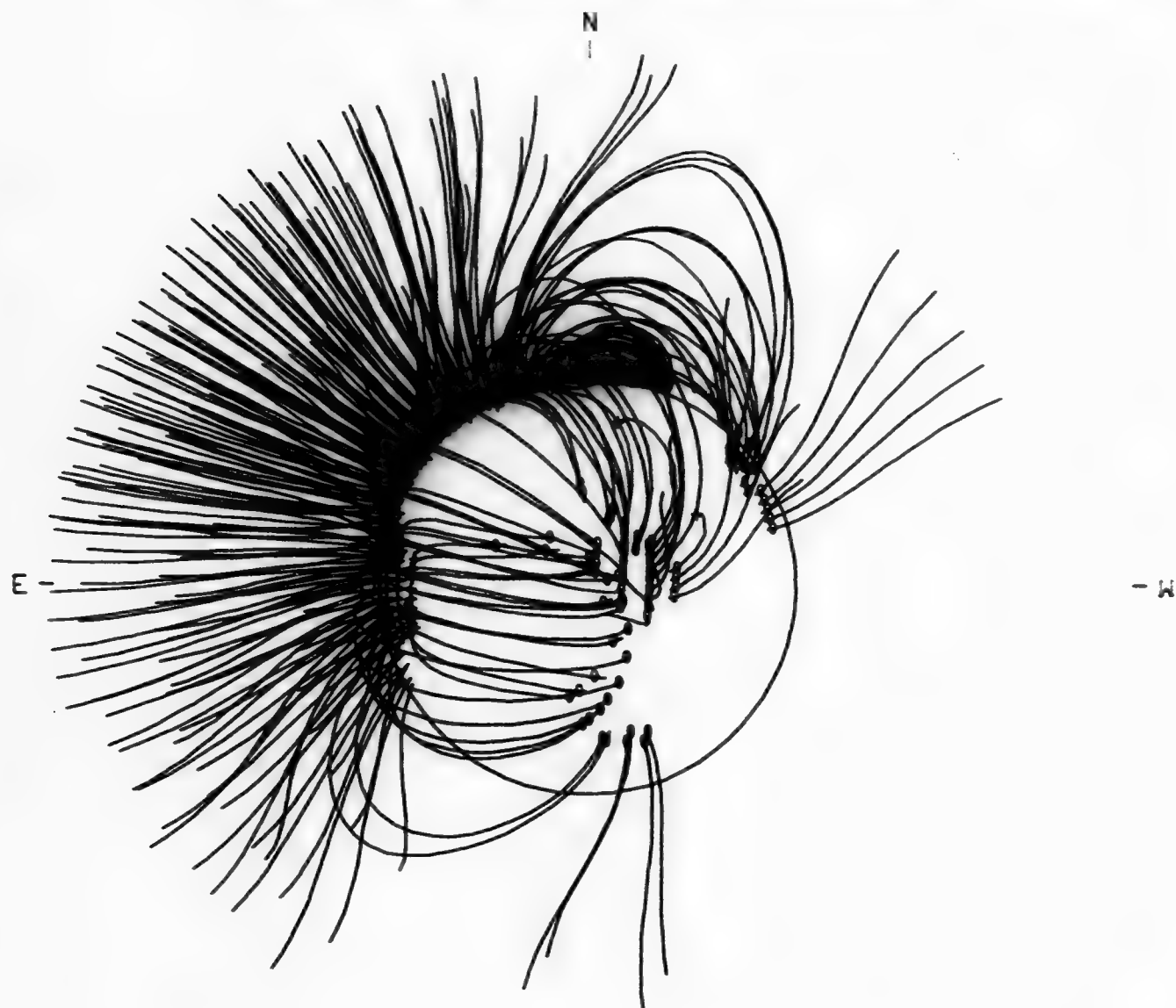
POLES DIRECT

DATA WINDOW 1457.47

ROT. 1457 LONG. 3°

30.8 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

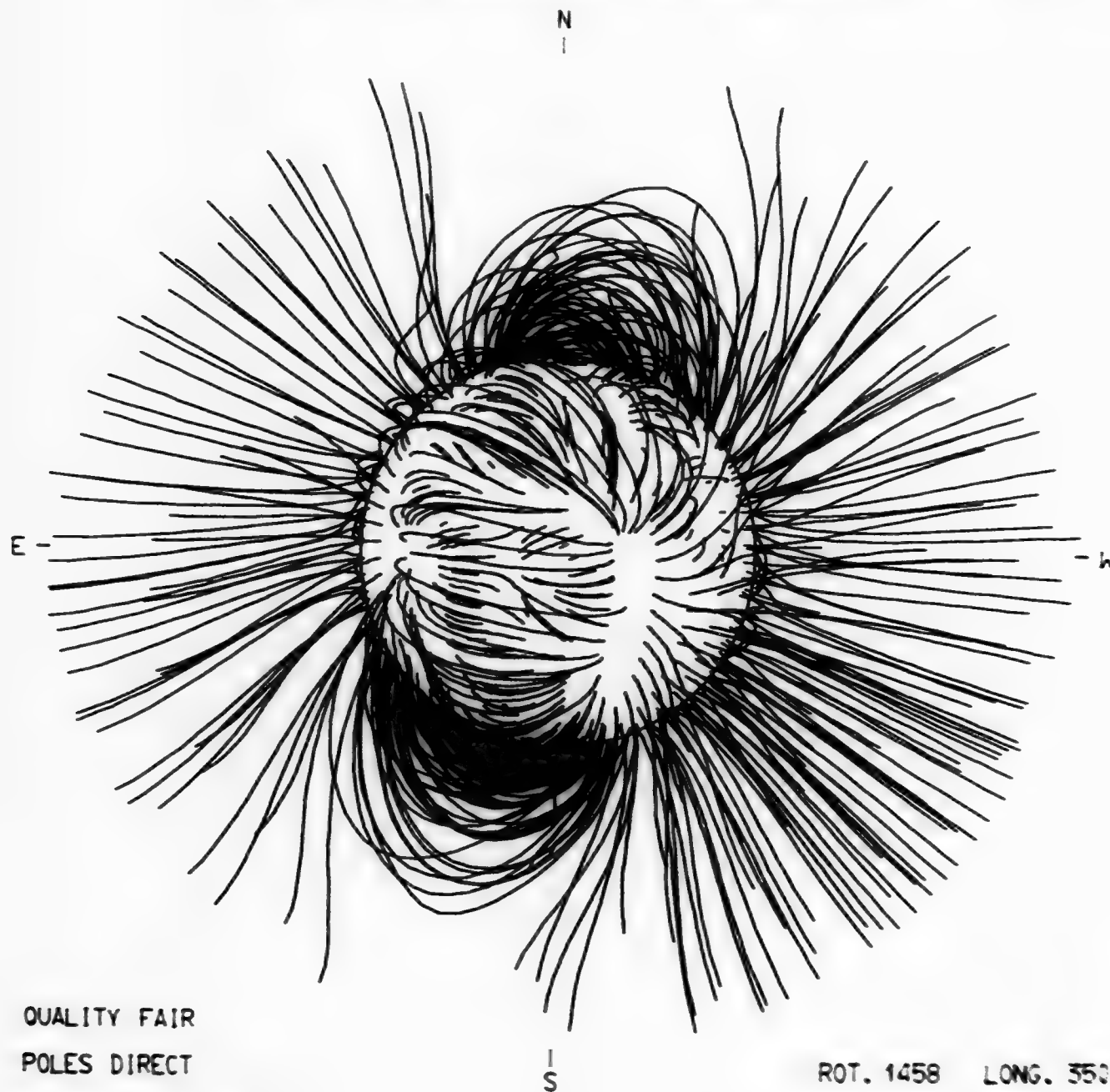


QUALITY FAIR
 POLES DIRECT
 DATA WINDOW 1457.47

I
 S

ROT. 1457 LONG. 0°
 30.8 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

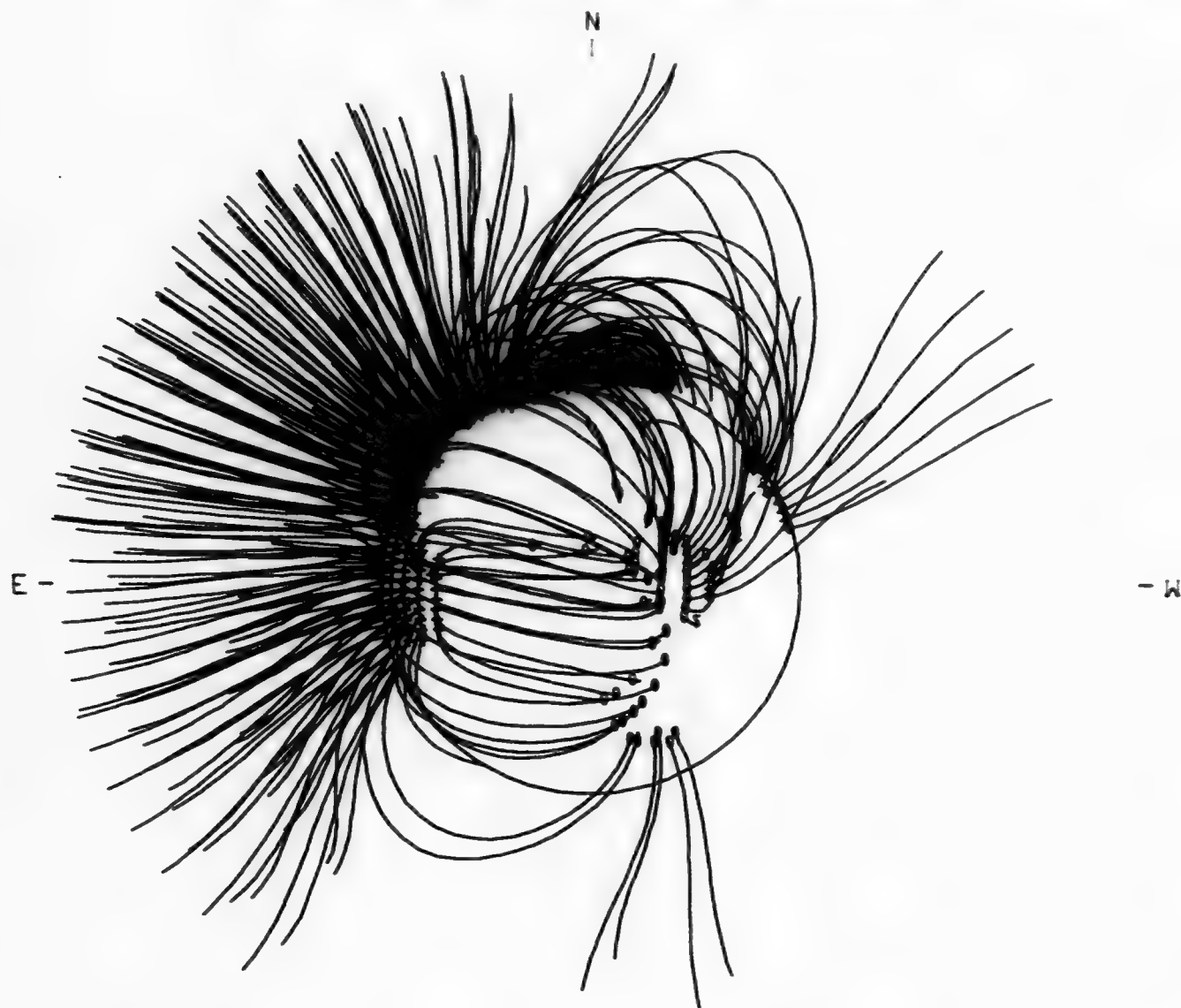
POLES DIRECT

DATA WINDOW 1457.47

ROT. 1458 LONG. 350°

31.6 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

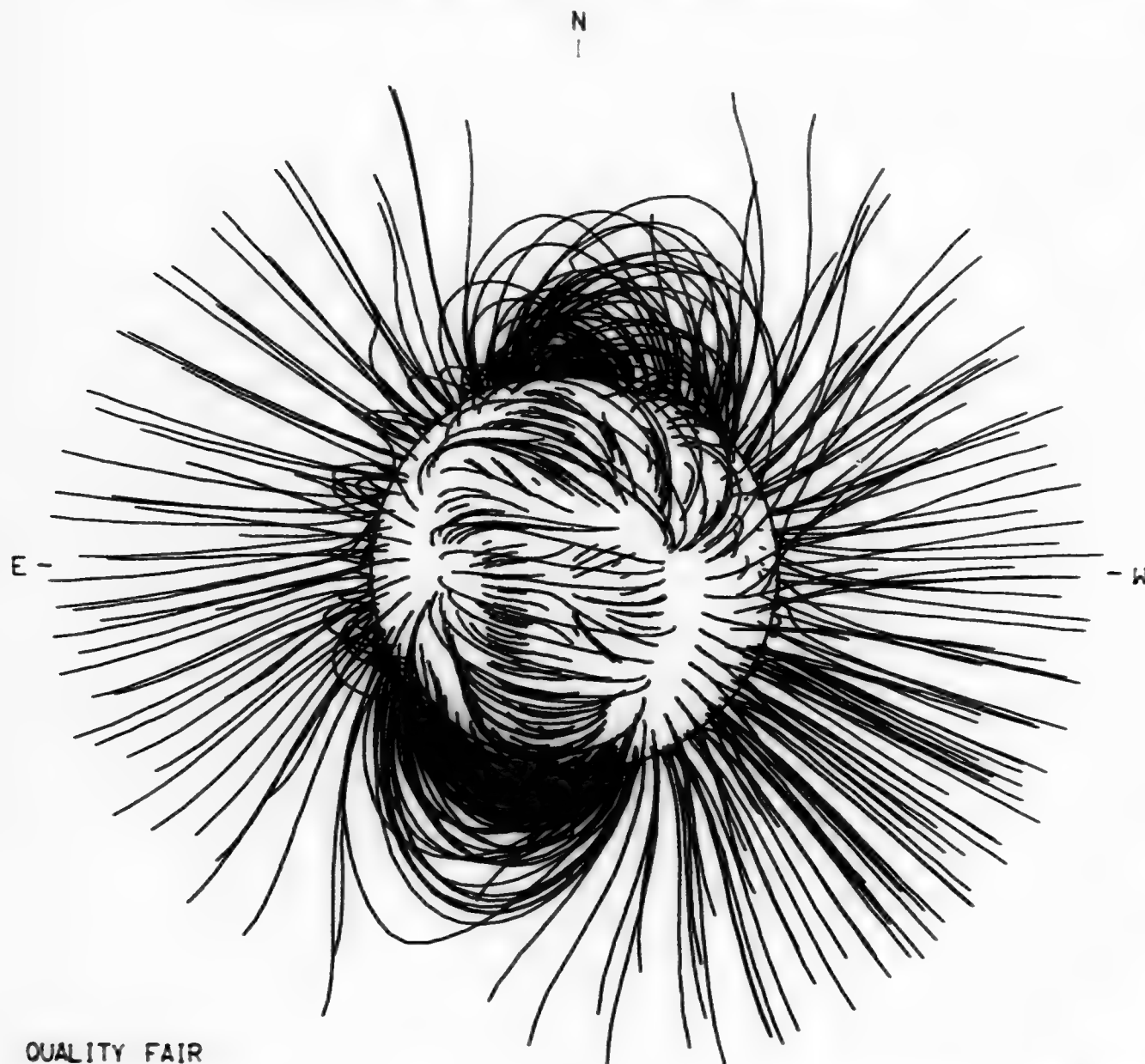


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1458 LONG. 350°
31.6 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

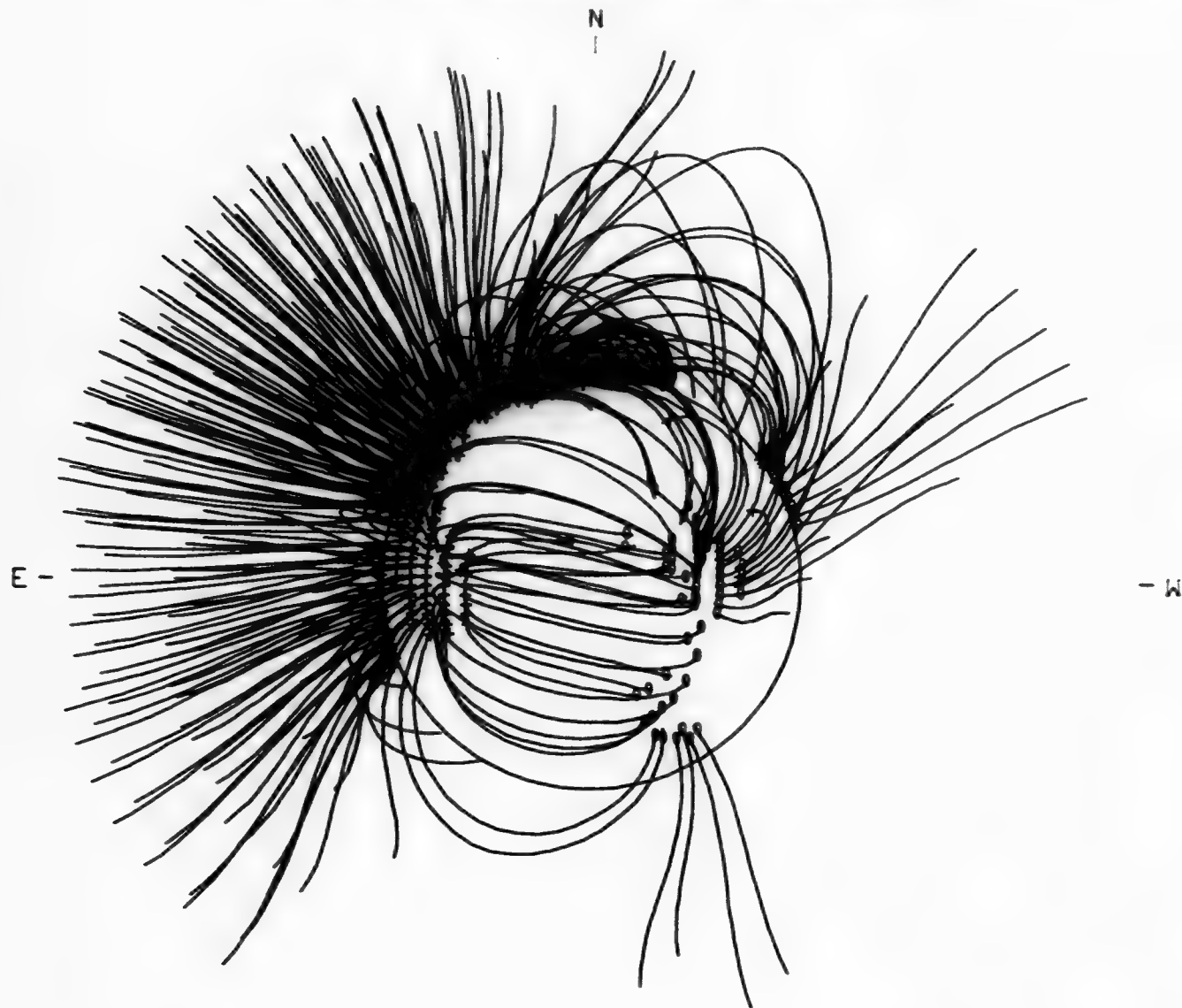
DATA WINDOW 1457.47

|
S

ROT. 1458 LONG. 320°

1.4 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

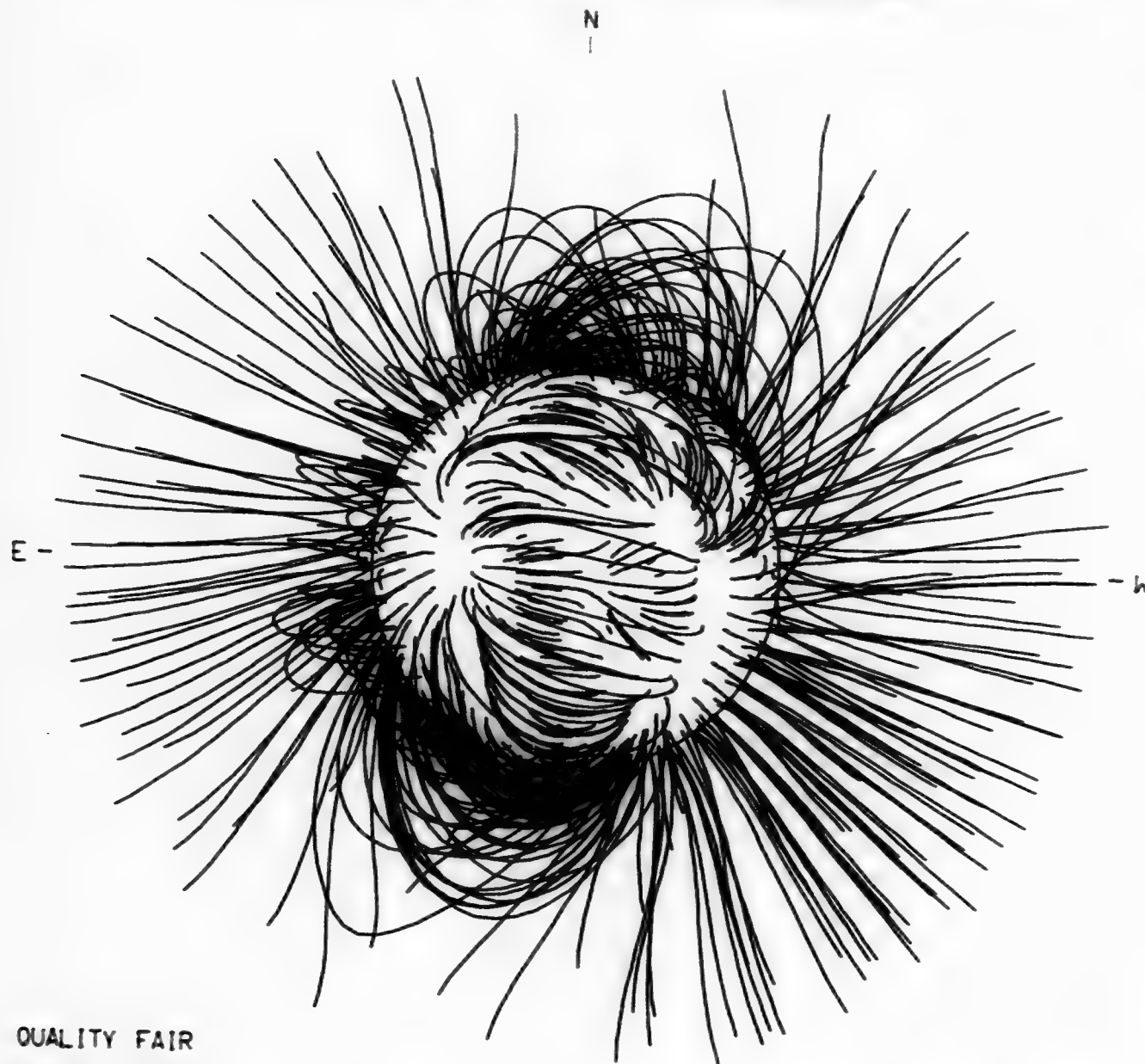


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1458 LONG. 320°
1.4 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

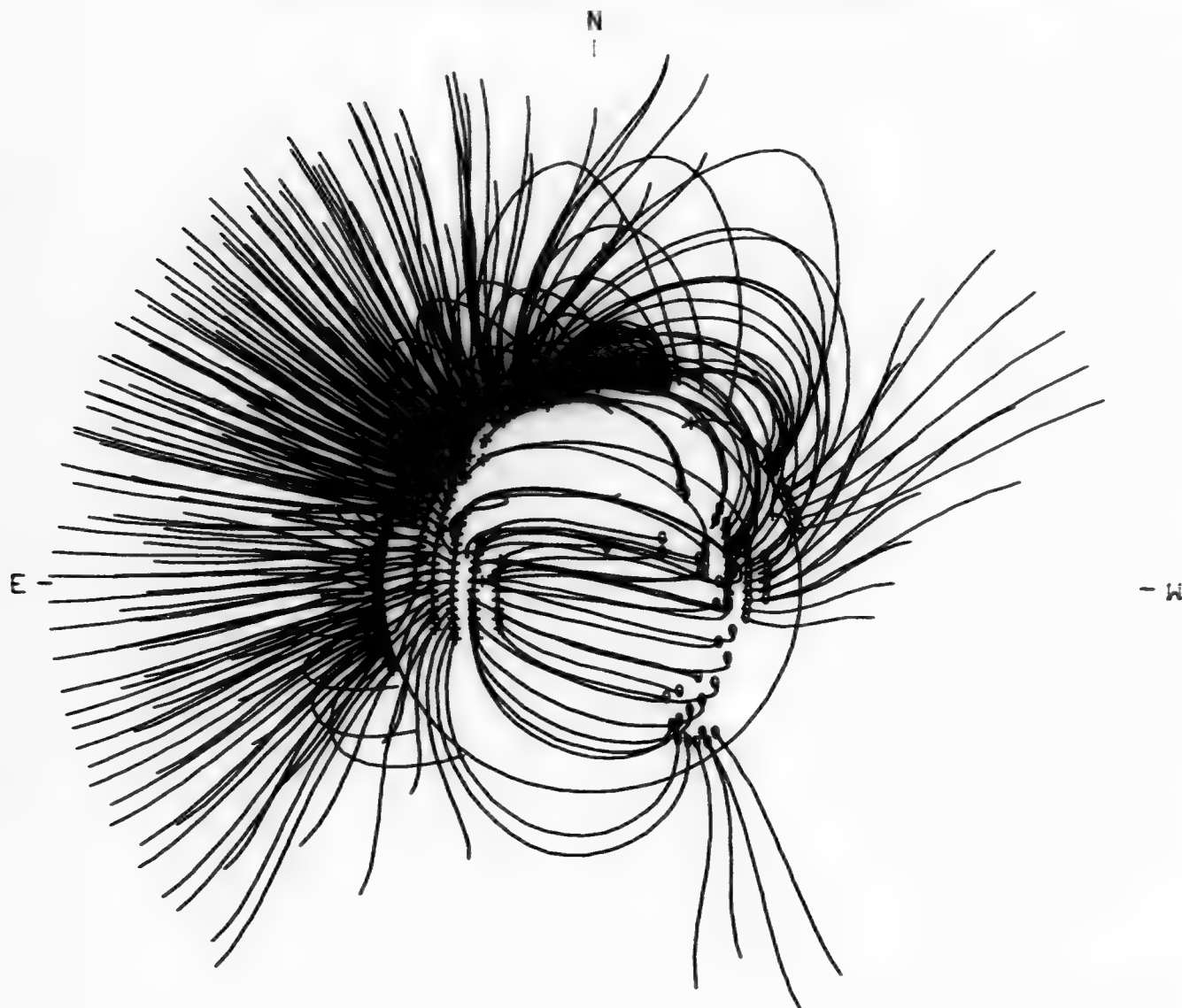


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1458 LONG. 330°
2.1 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

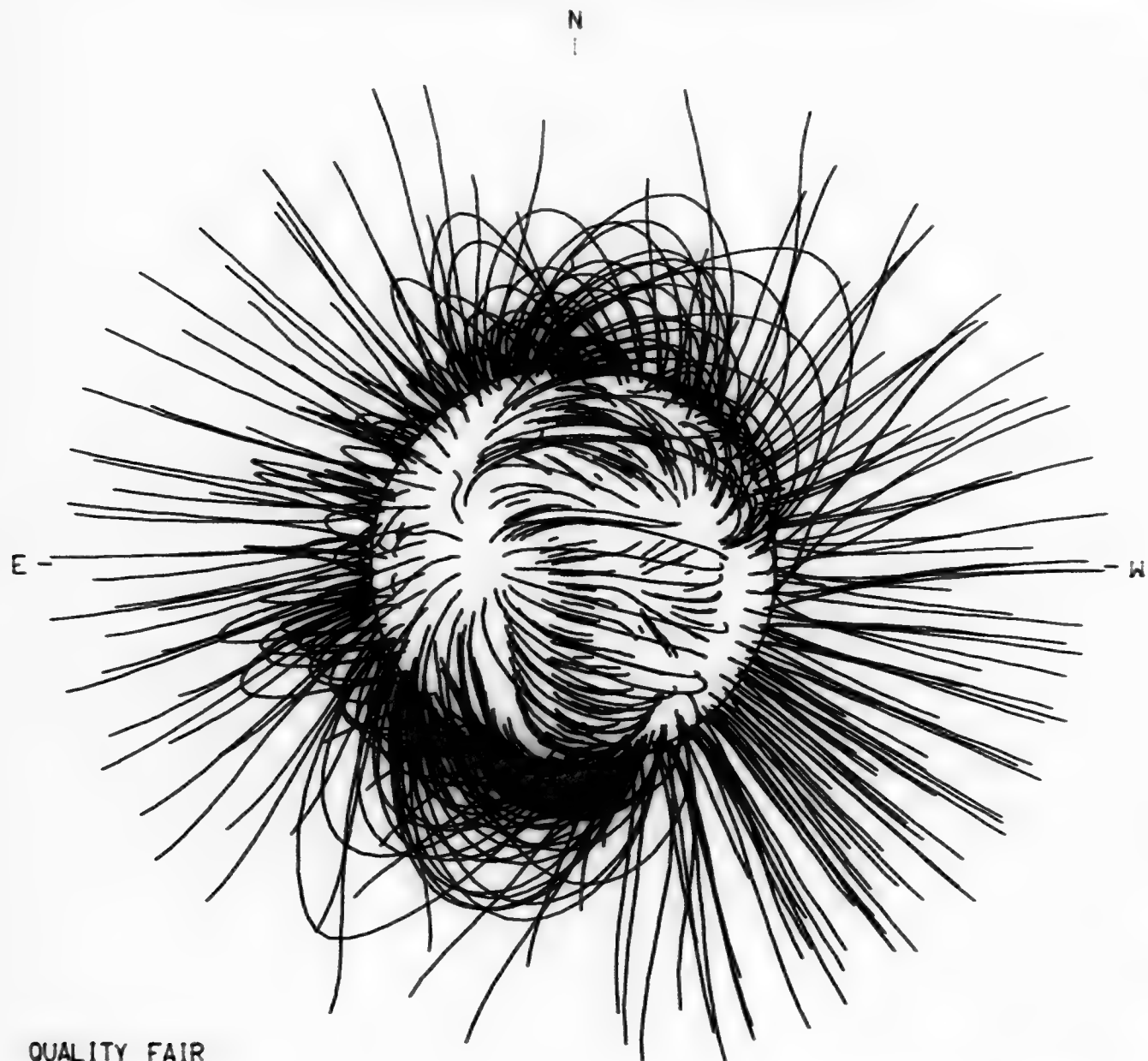
DATA WINDOW 1457.47

I
S

ROT. 1458 LONG. 330°

2.1 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

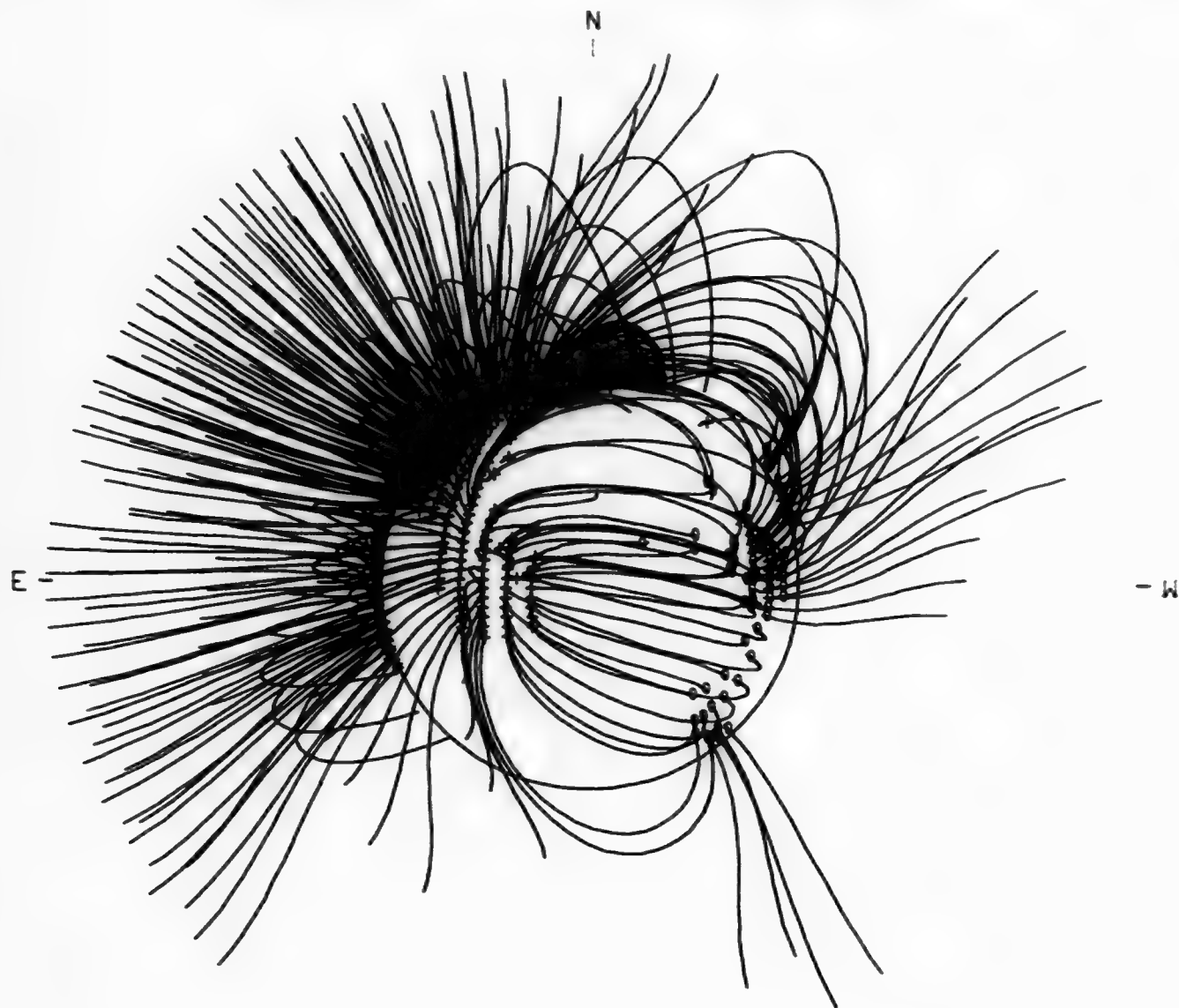
DATA WINDOW 1457.47

I
S

ROT. 1458 LONG. 320°

2.9 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

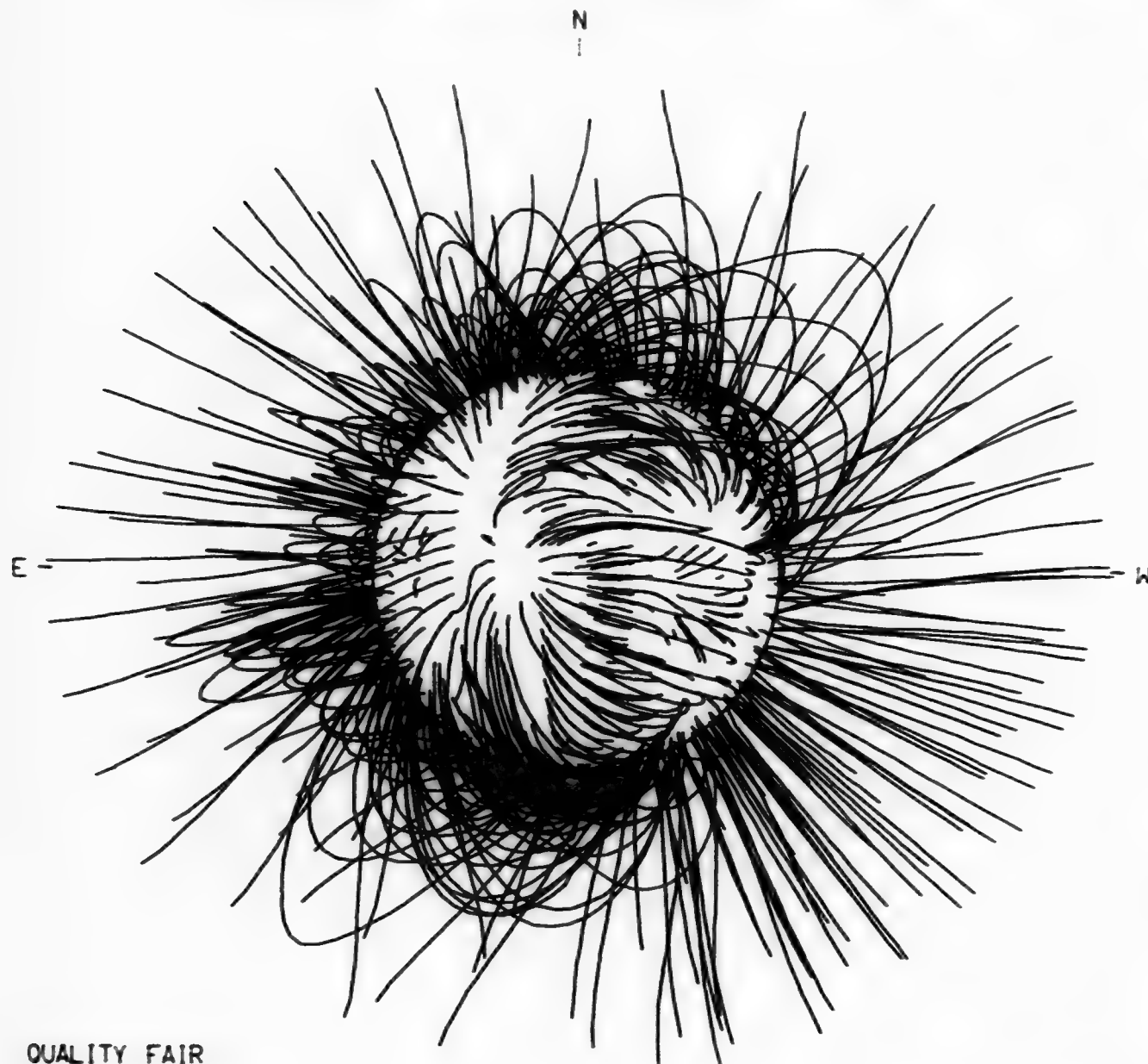


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1458 LONG. 320°
2.9 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

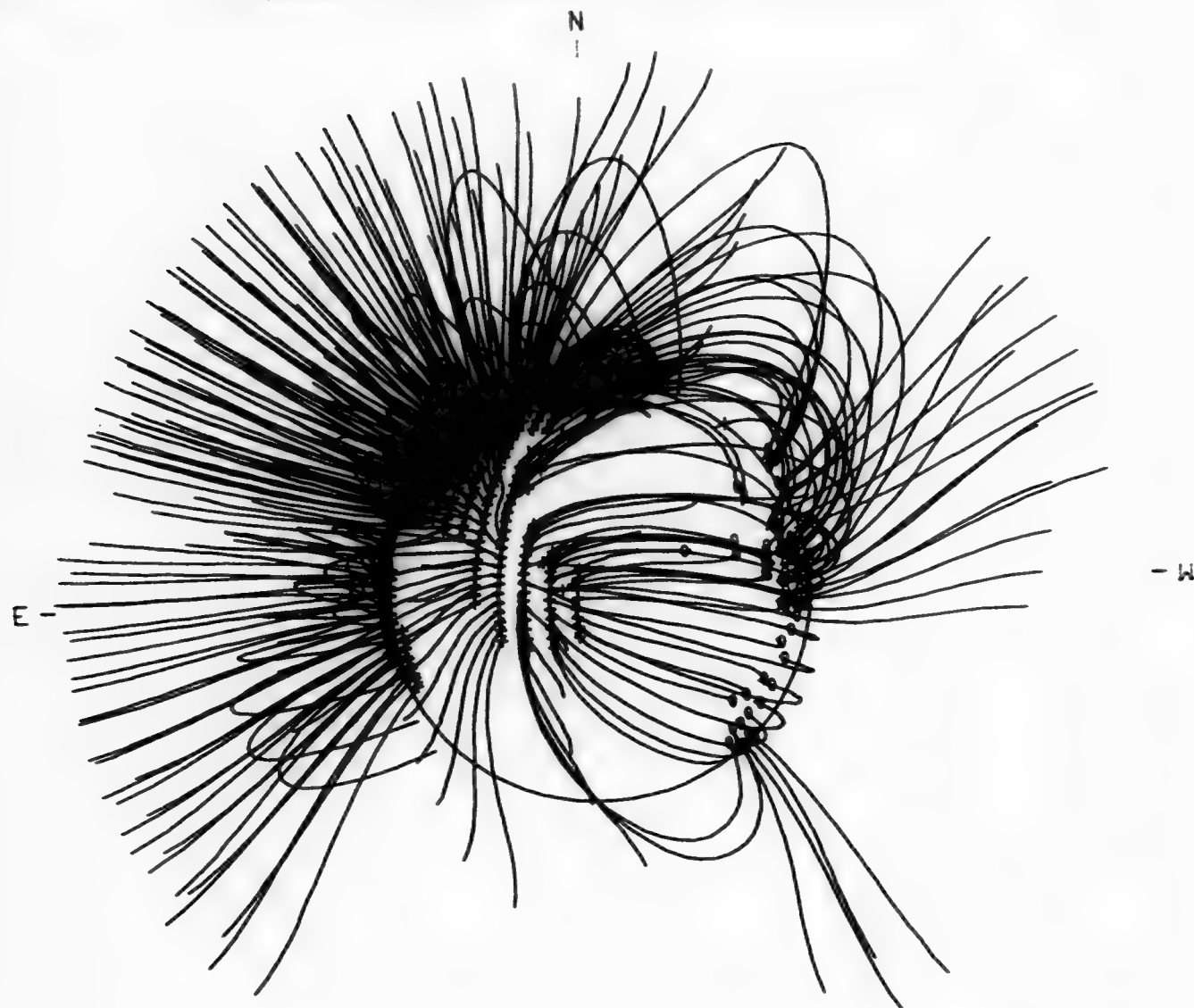
POLES DIRECT

DATA WINDOW 1457.47

ROT. 1458 LONG. 310°

3.6 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

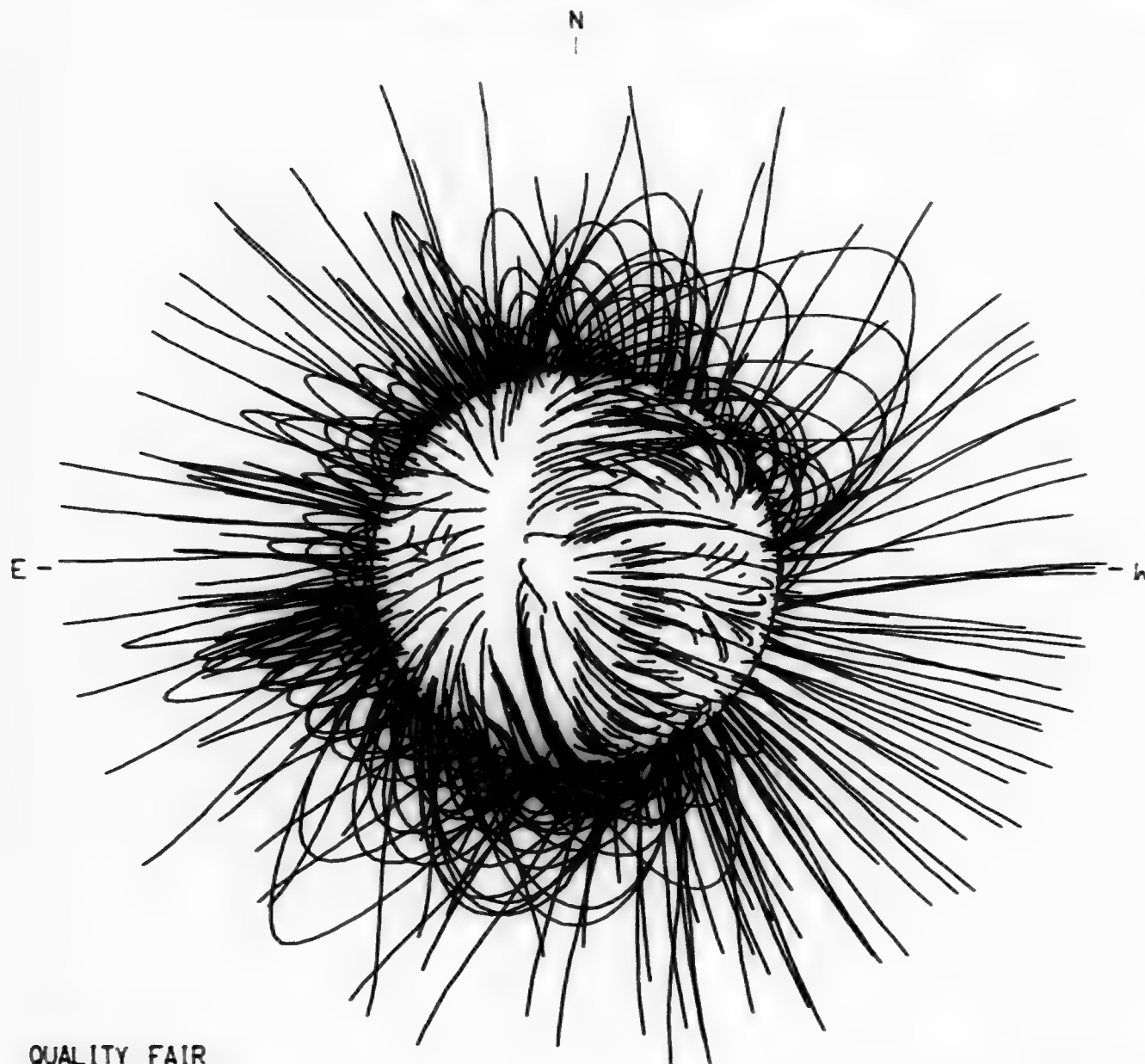


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1458 LONG. 310°
3.6 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

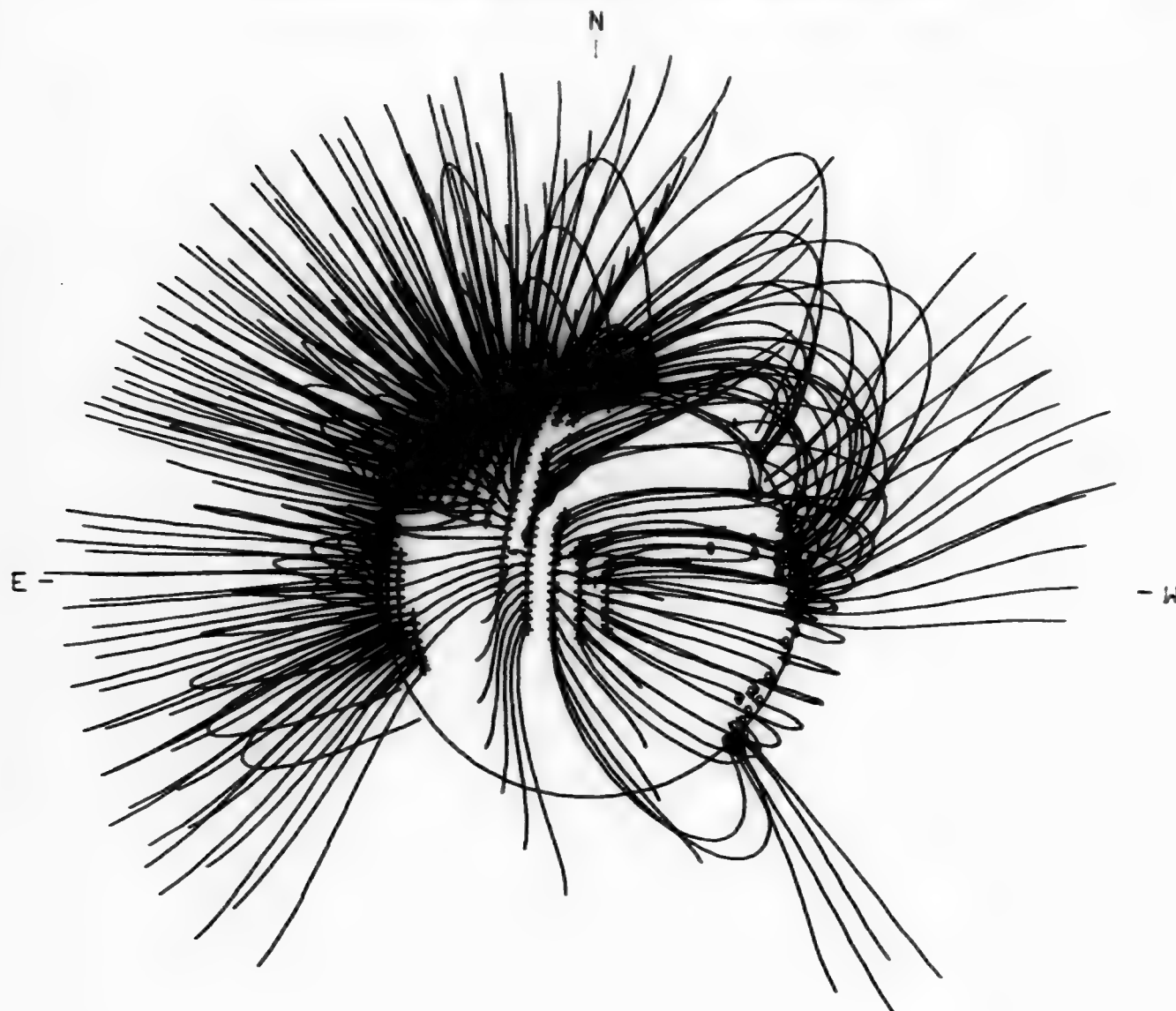
DATA WINDOW 1457.47

I
S

ROT. 1458 LONG. 300°

4.4 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

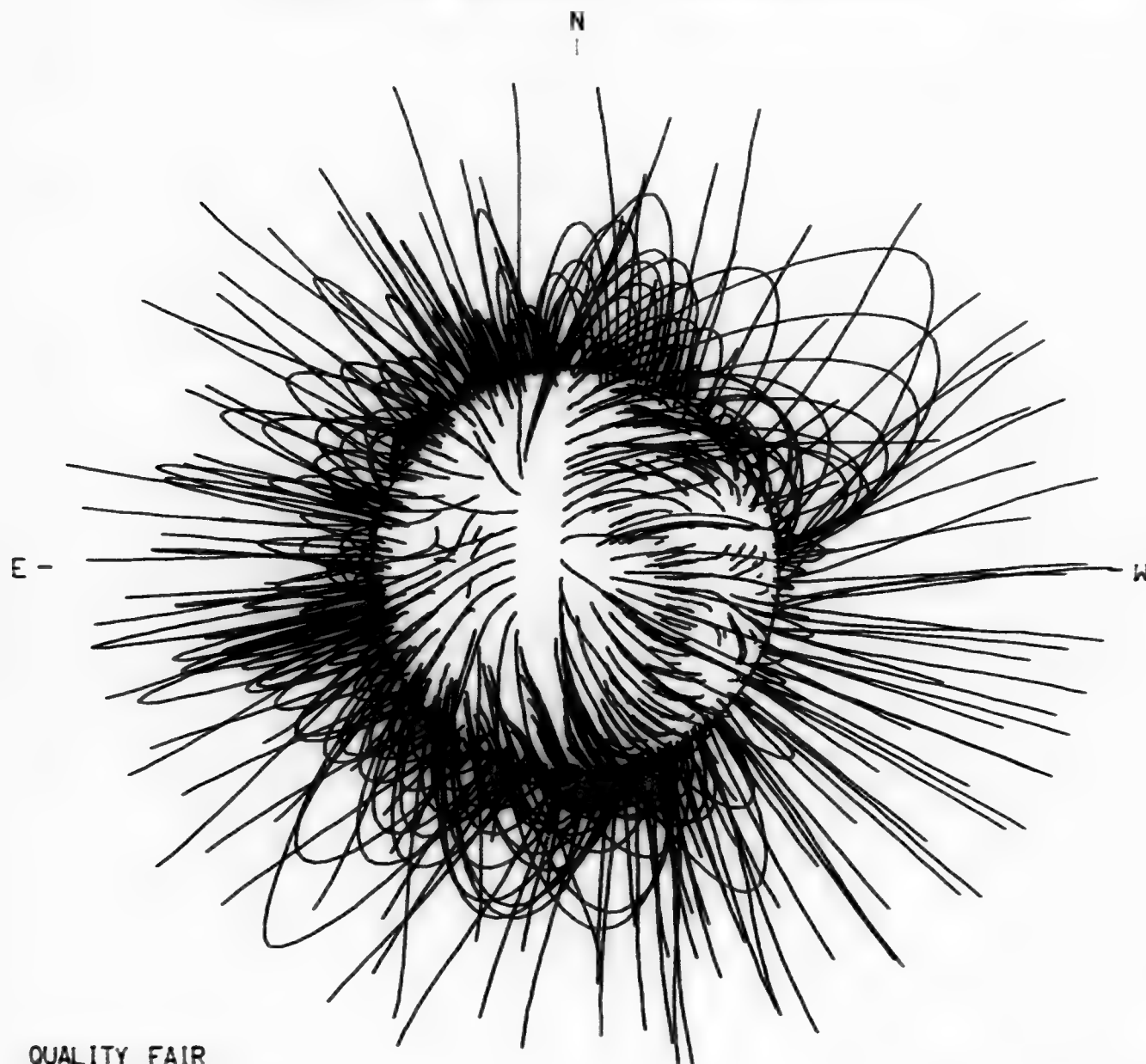


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1458 LONG. 300°
4.4 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

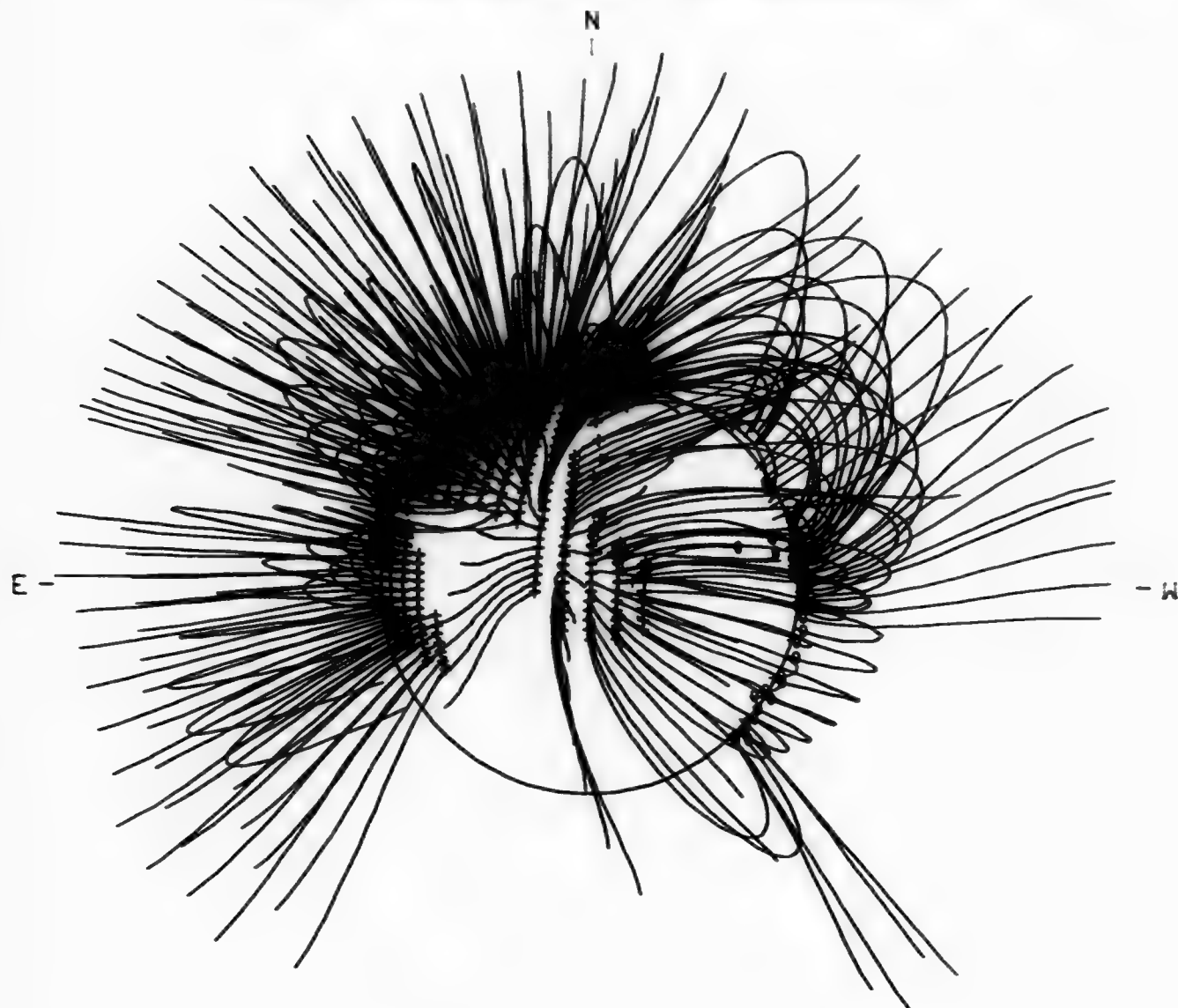
DATA WINDOW 1457.47

S

ROT. 1458 LONG. 293°

5.1 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

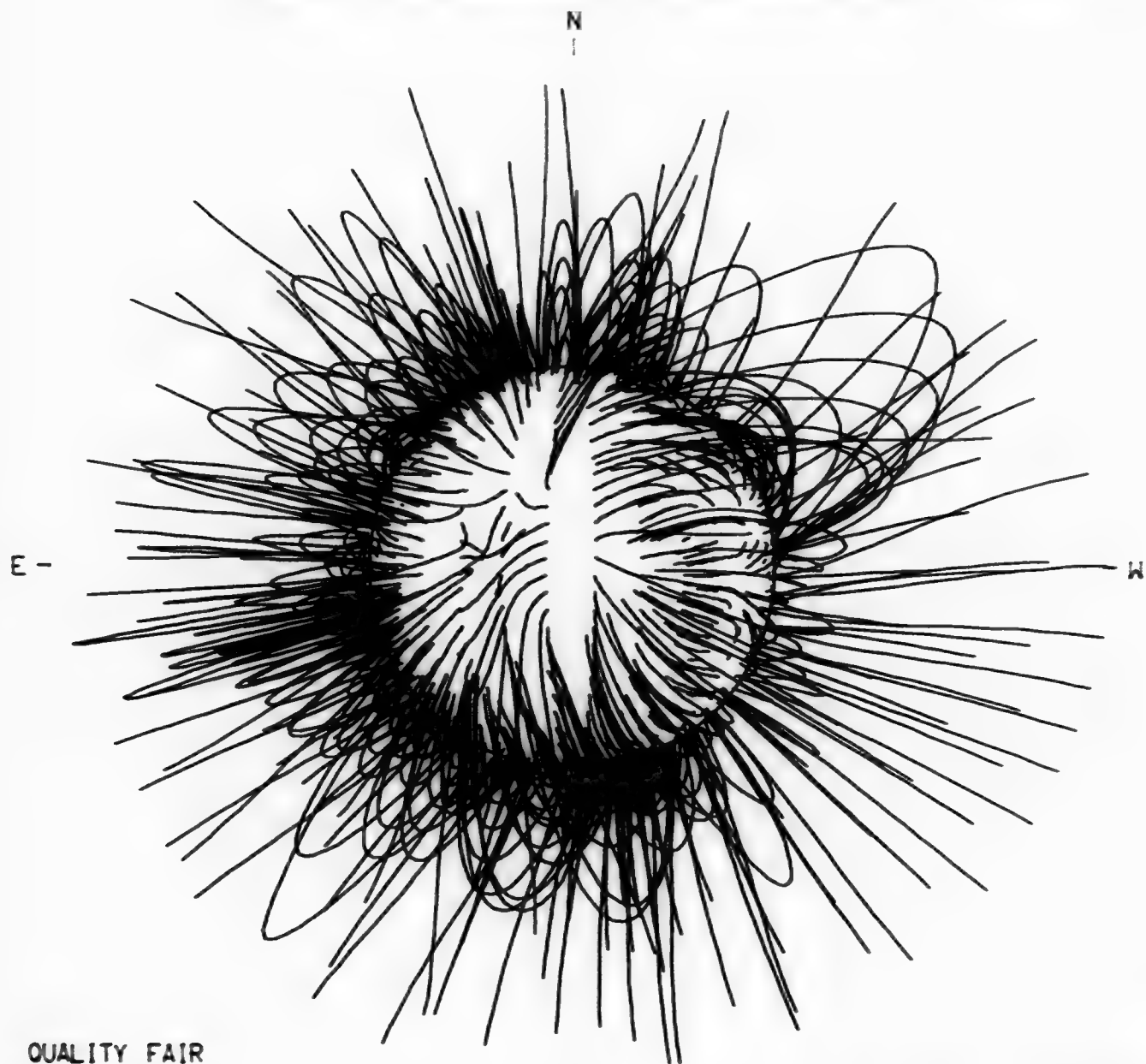


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1458 LONG. 290°
5.1 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

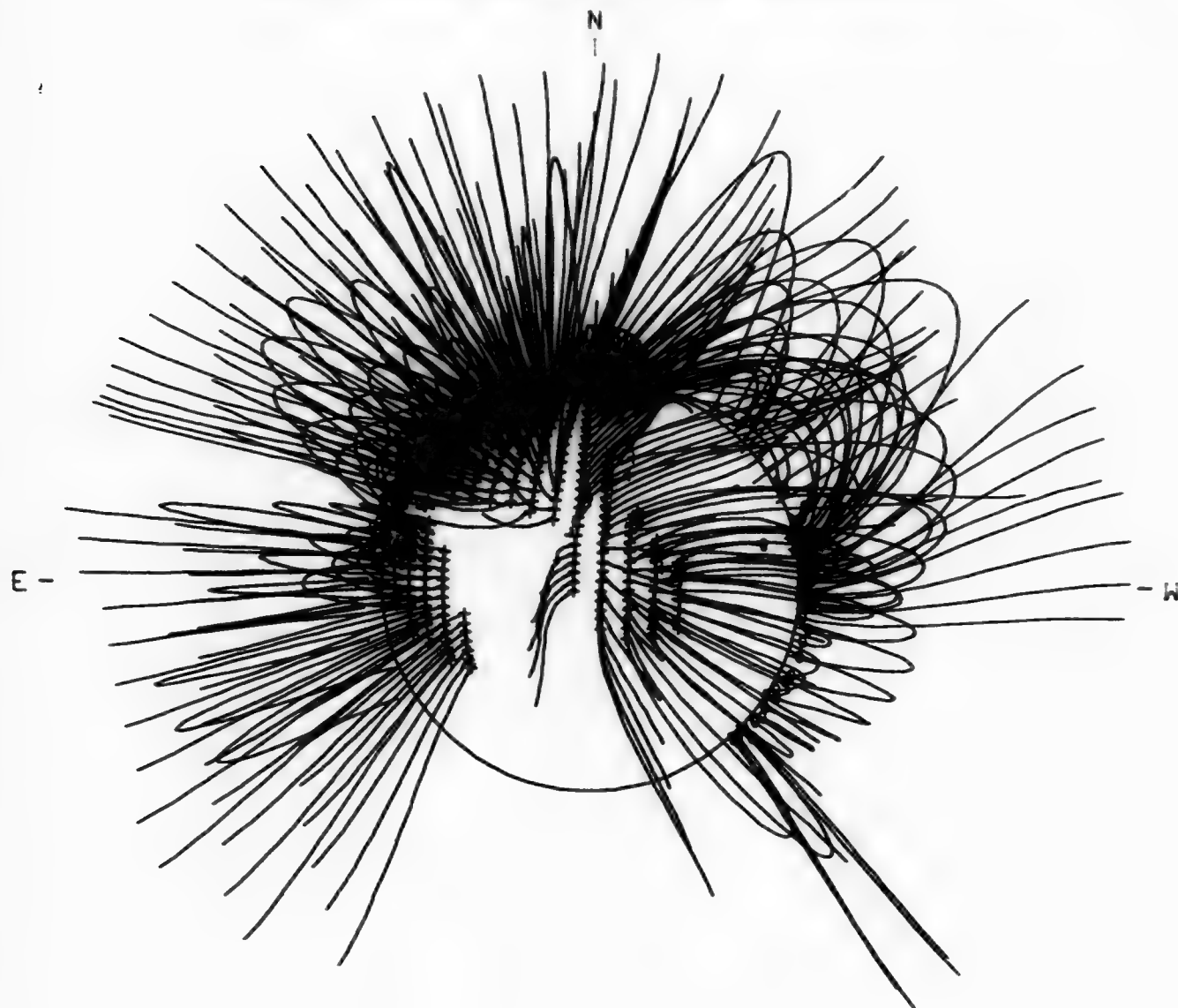
DATA WINDOW 1457.47

N
|
S

ROT. 1458 LONG. 280°

5.9 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

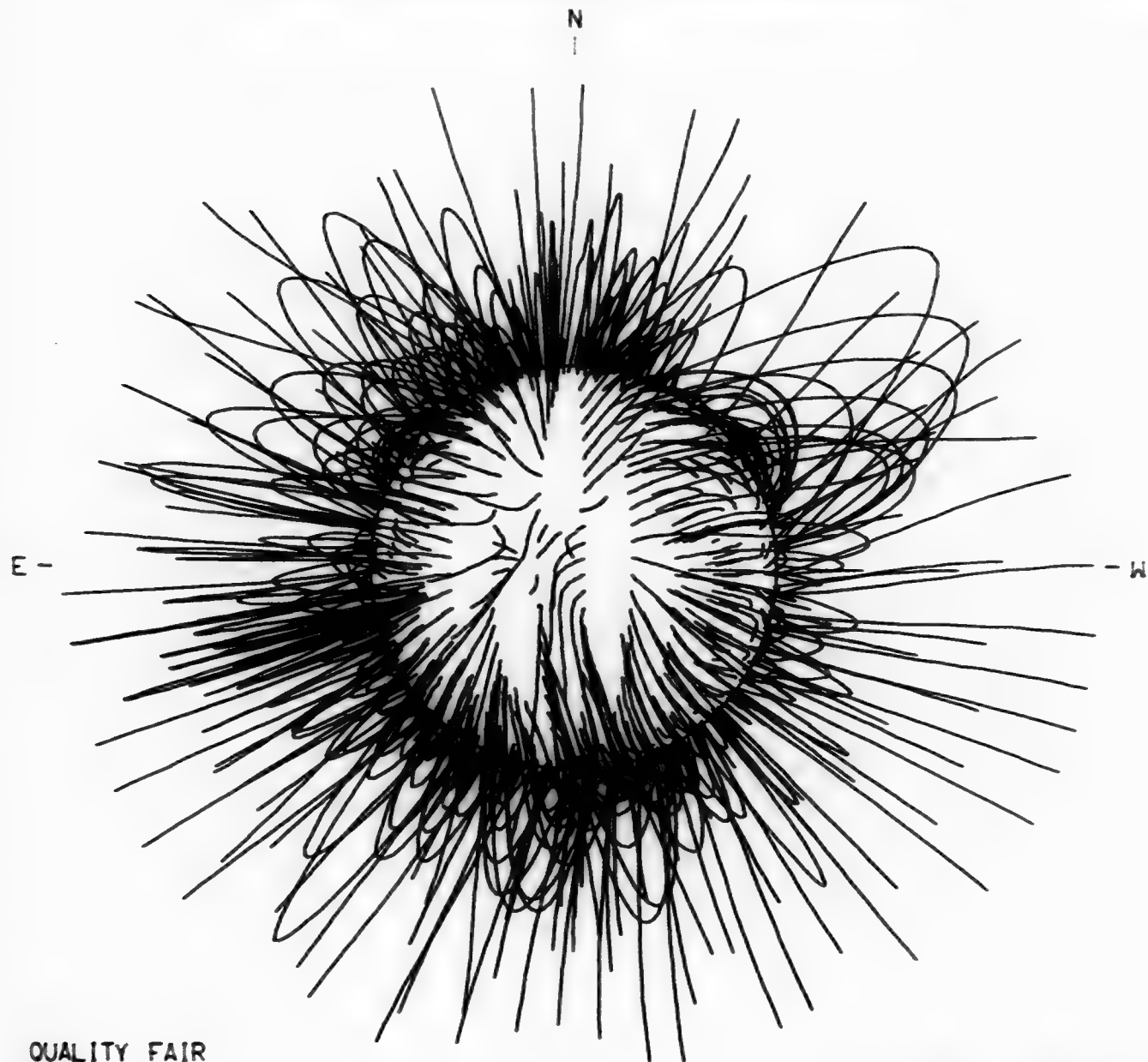


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1458 LONG. 280°
5.9 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

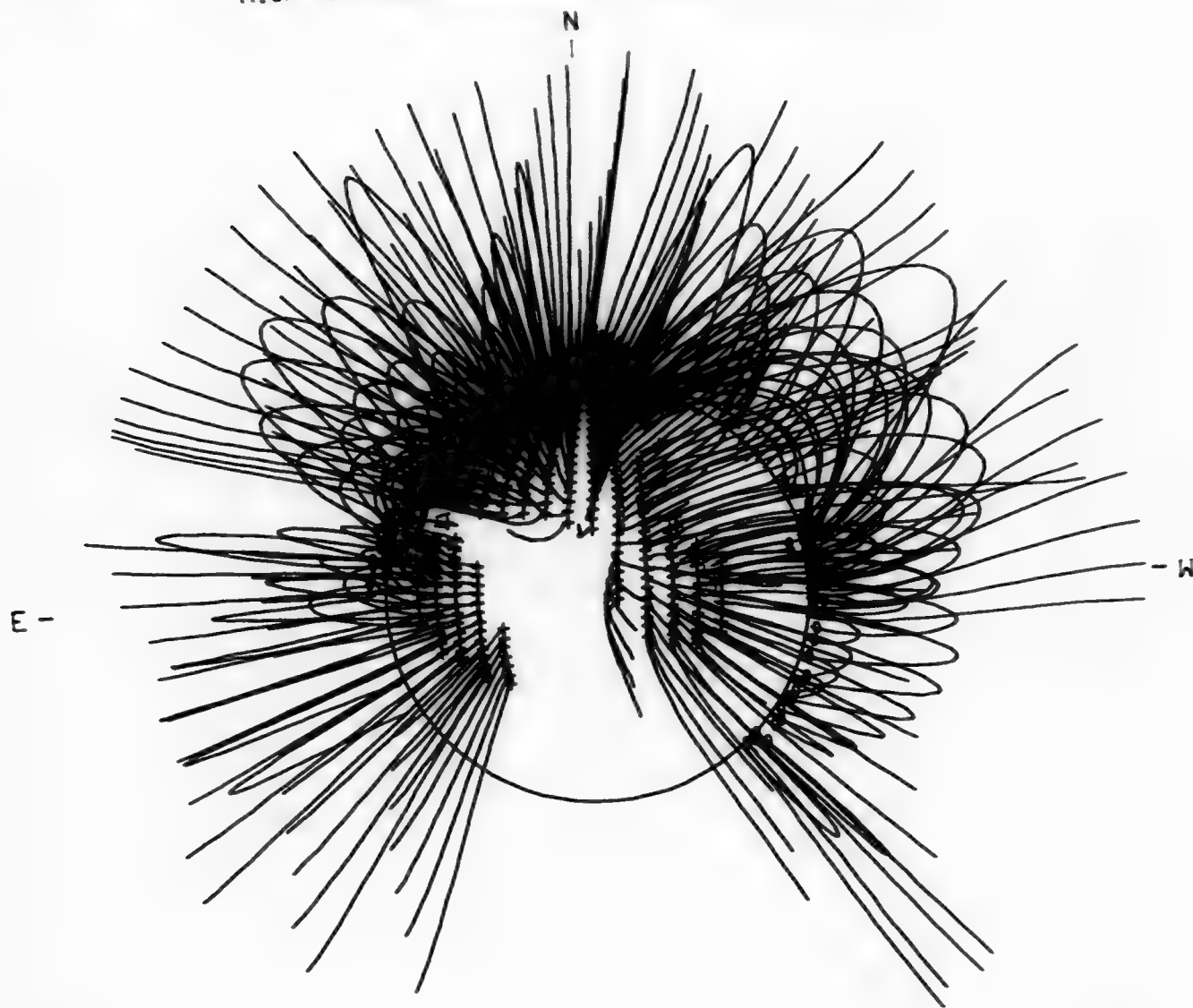
DATA WINDOW 1457.47

S

ROT. 1458 LONG. 270°

6.7 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

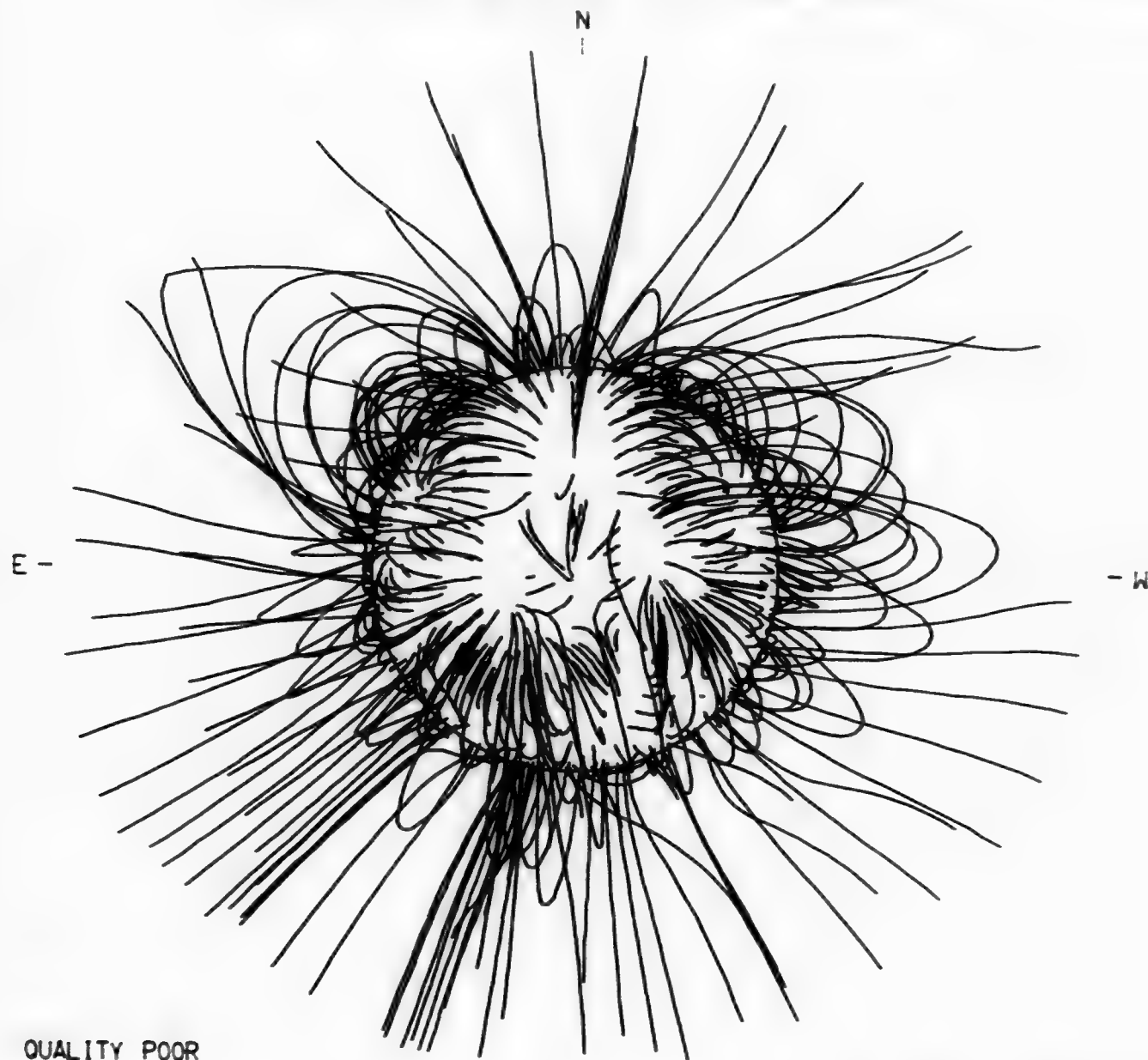


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1457.47

I
S

ROT. 1458 LONG. 270°
6.7 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

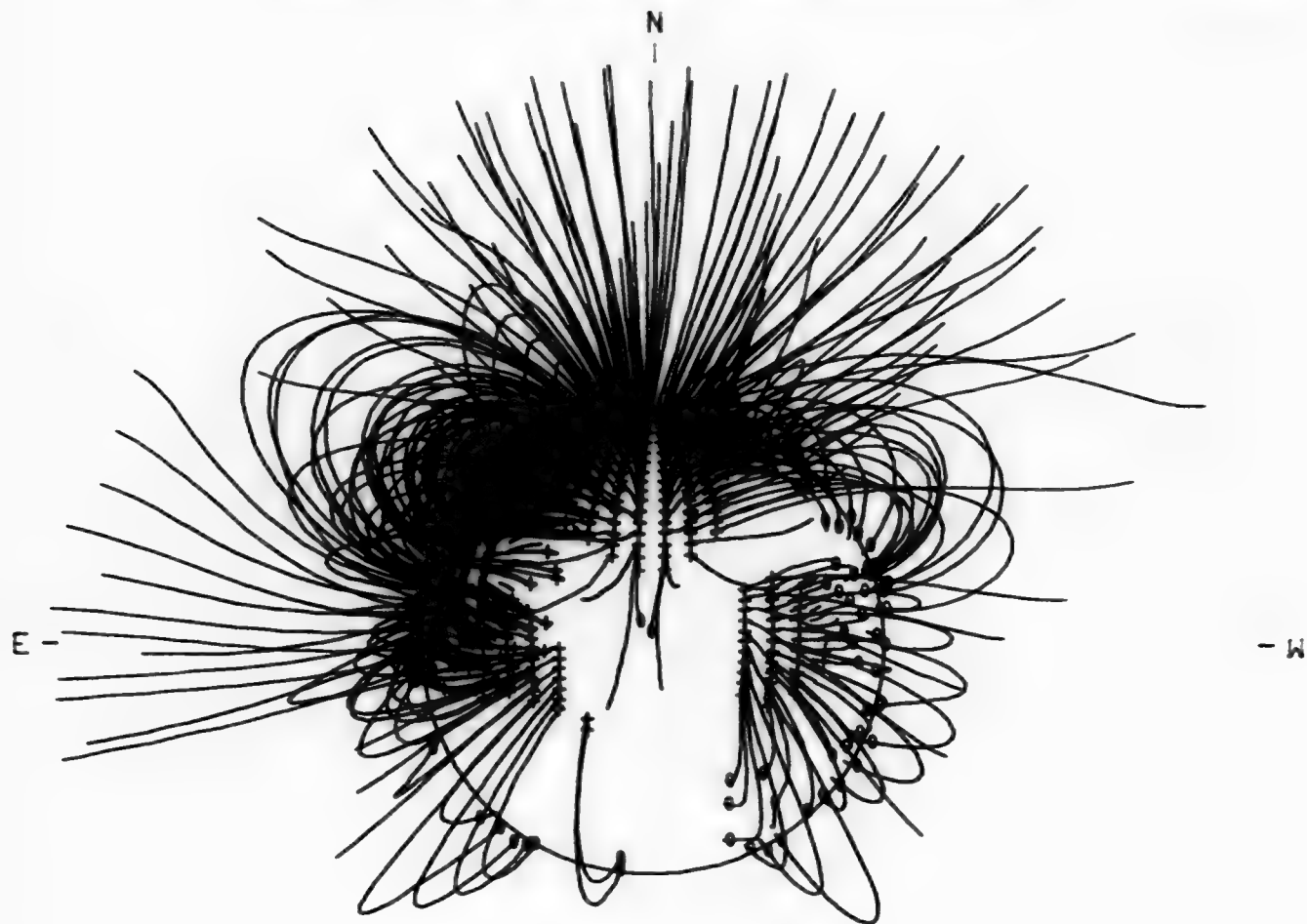
DATA WINDOW 1458.00

I
S

ROT. 1458 LONG. 260°

7.4 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

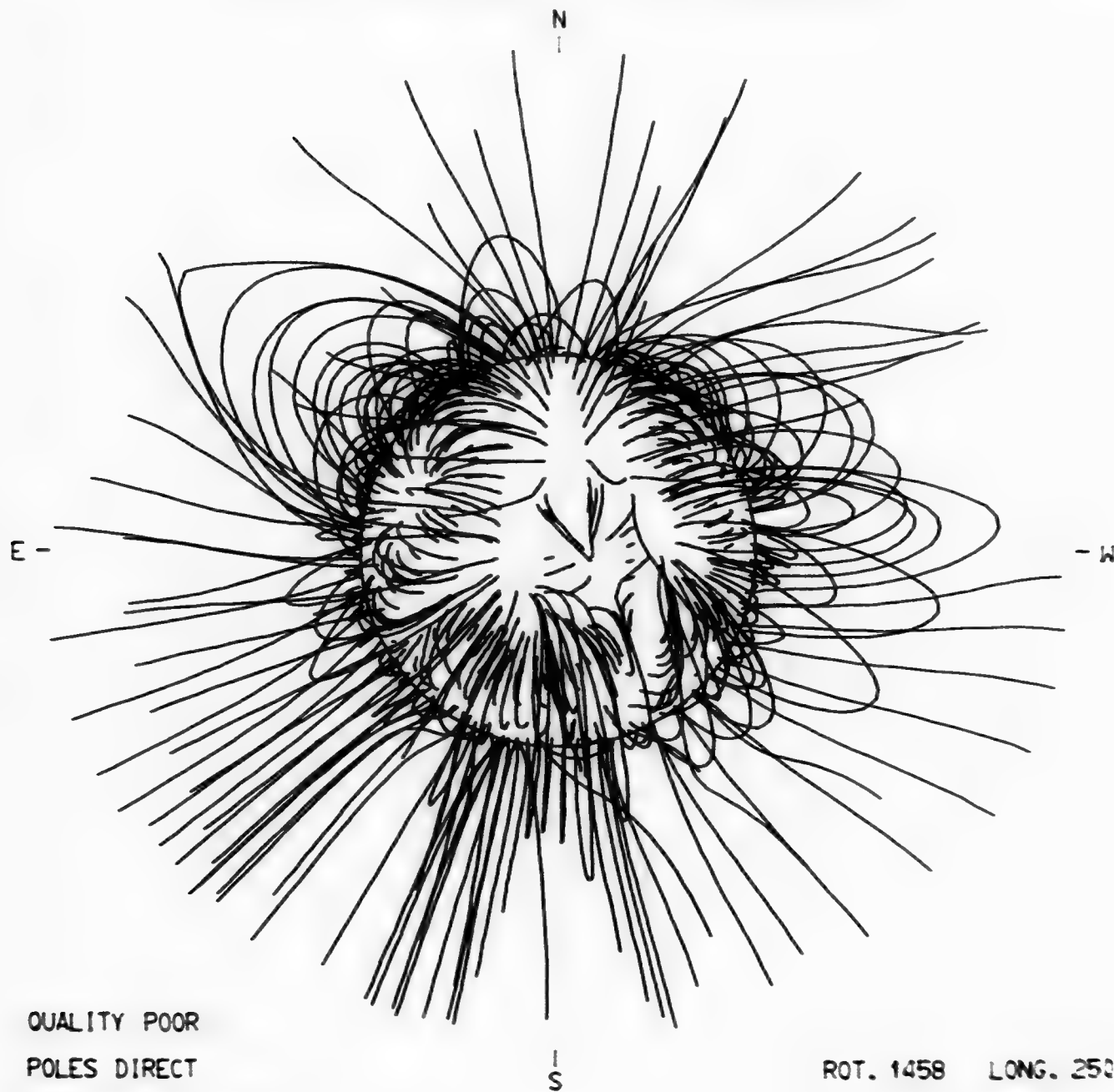
DATA WINDOW 1458.00

I
S

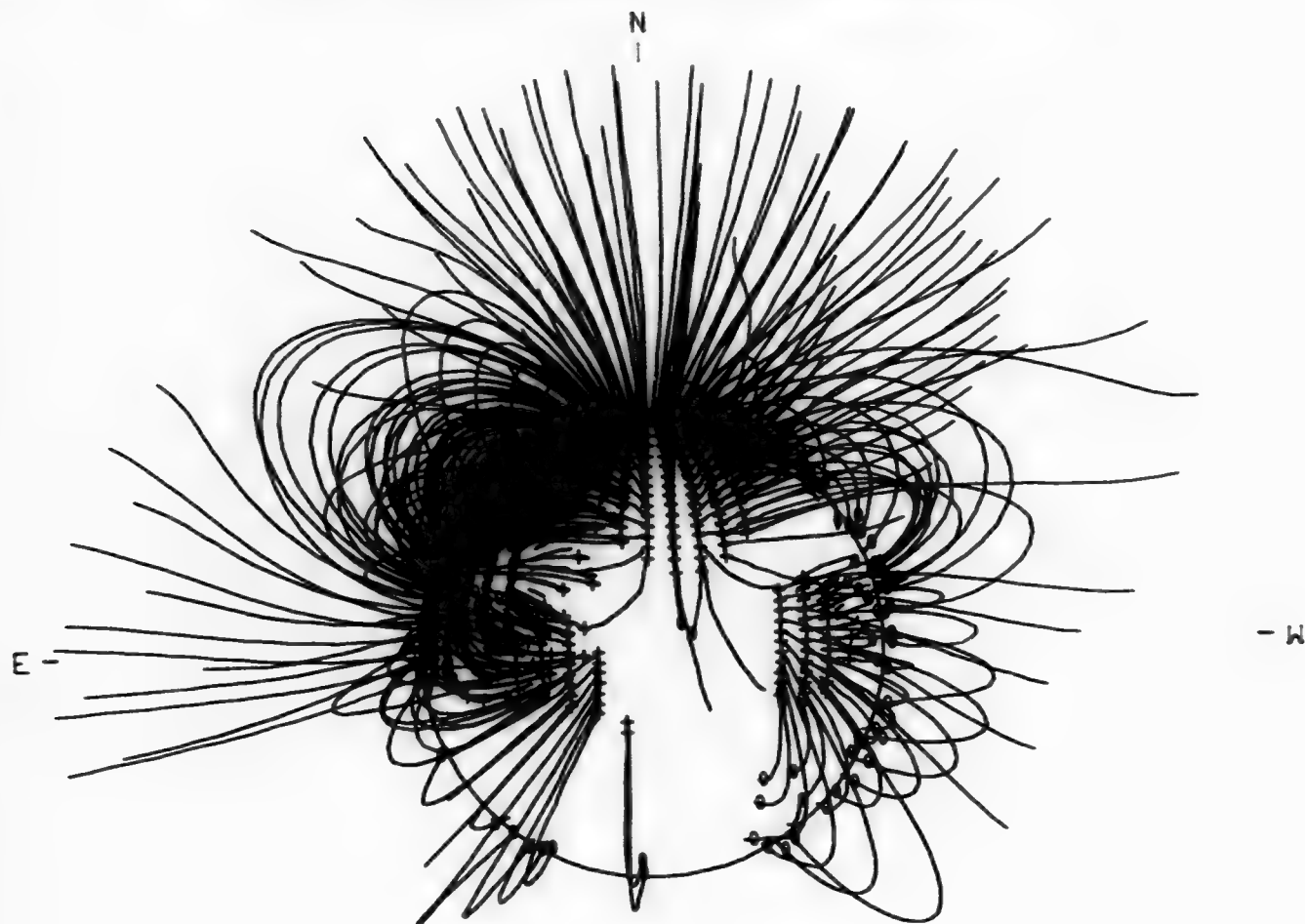
ROT. 1458 LONG. 260°

7.4 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

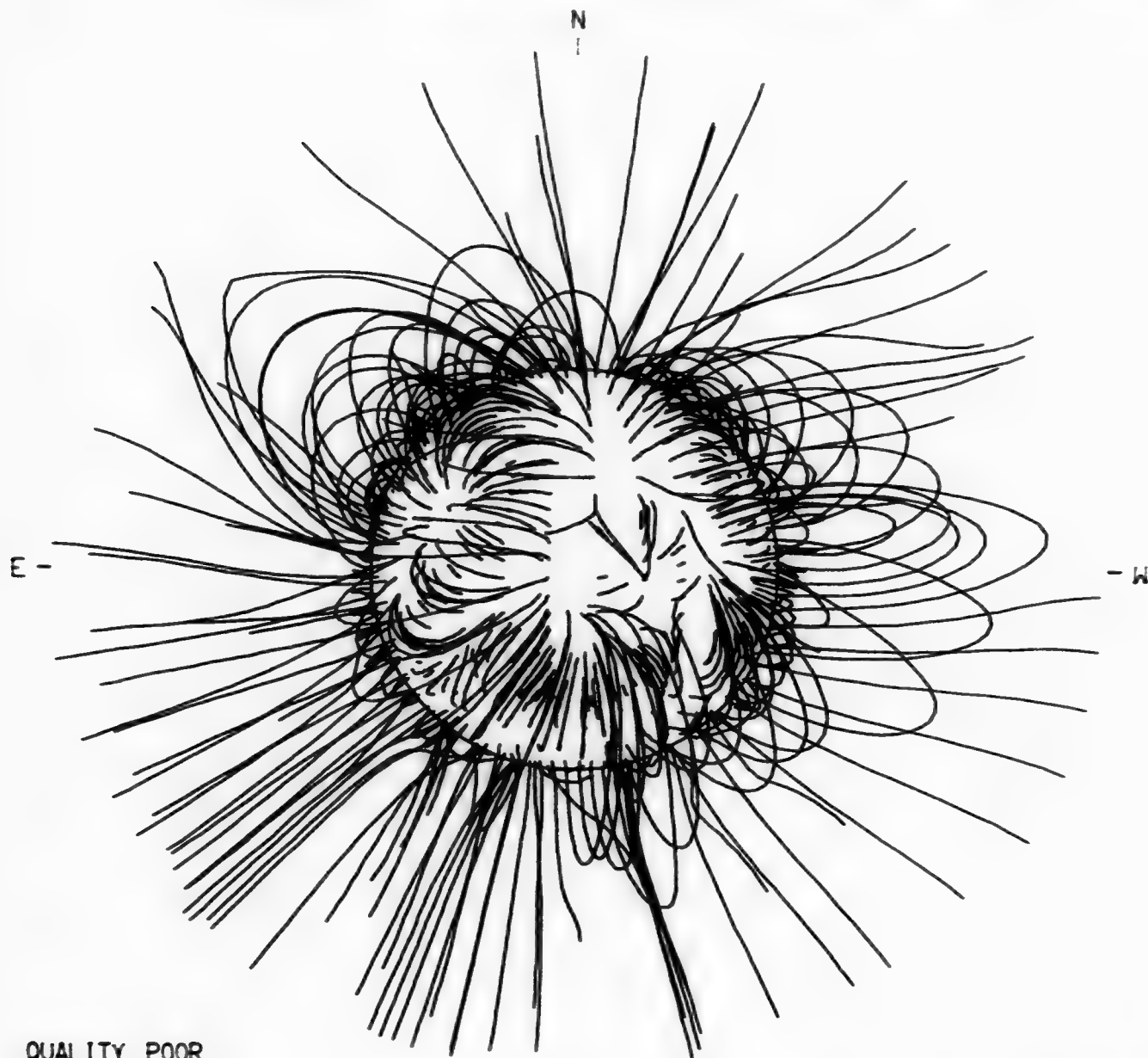


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
S

ROT. 1458 LONG. 250°
8.2 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

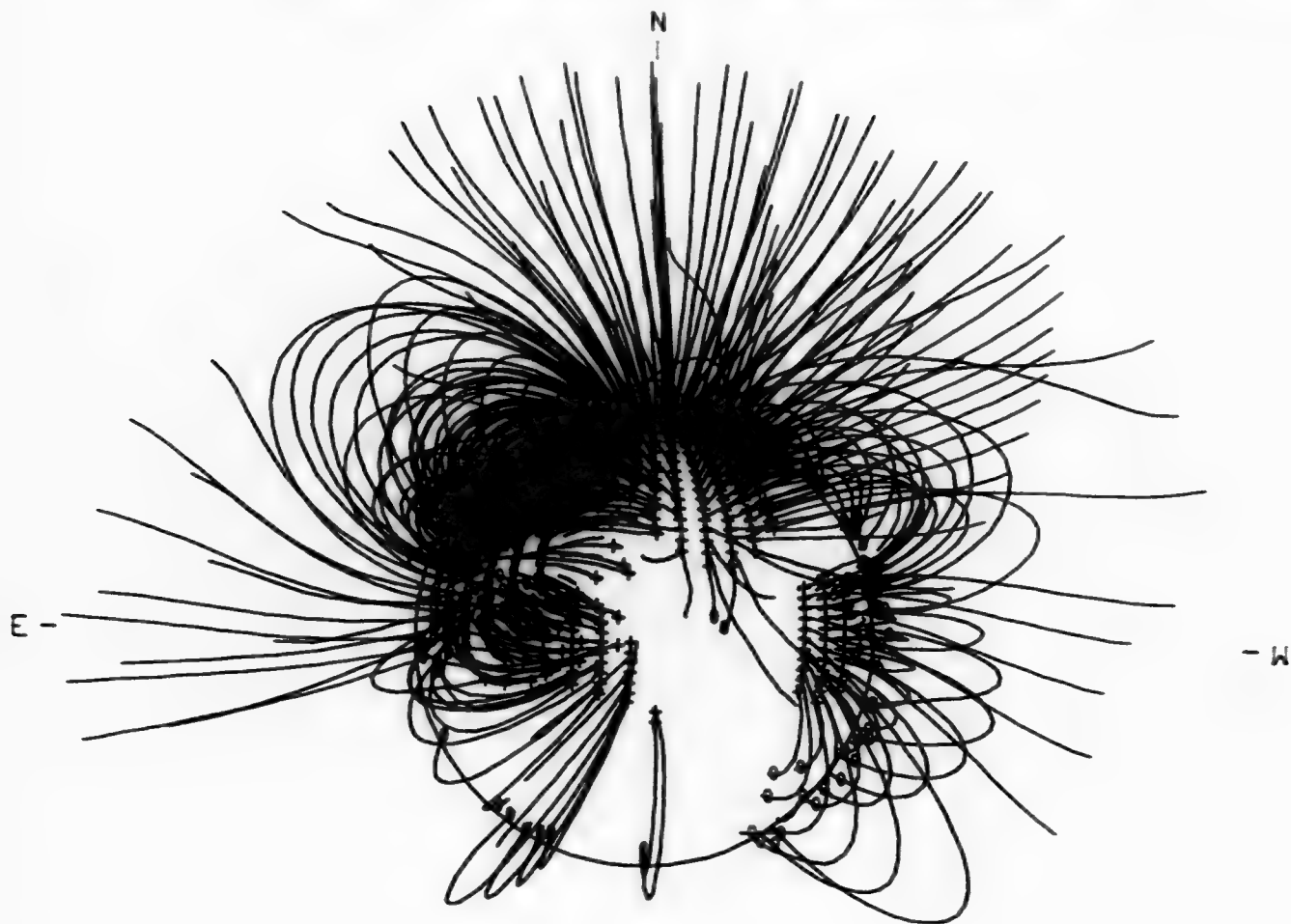
DATA WINDOW 1458.00

N
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S

ROT. 1458 LONG. 240°

8.9 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

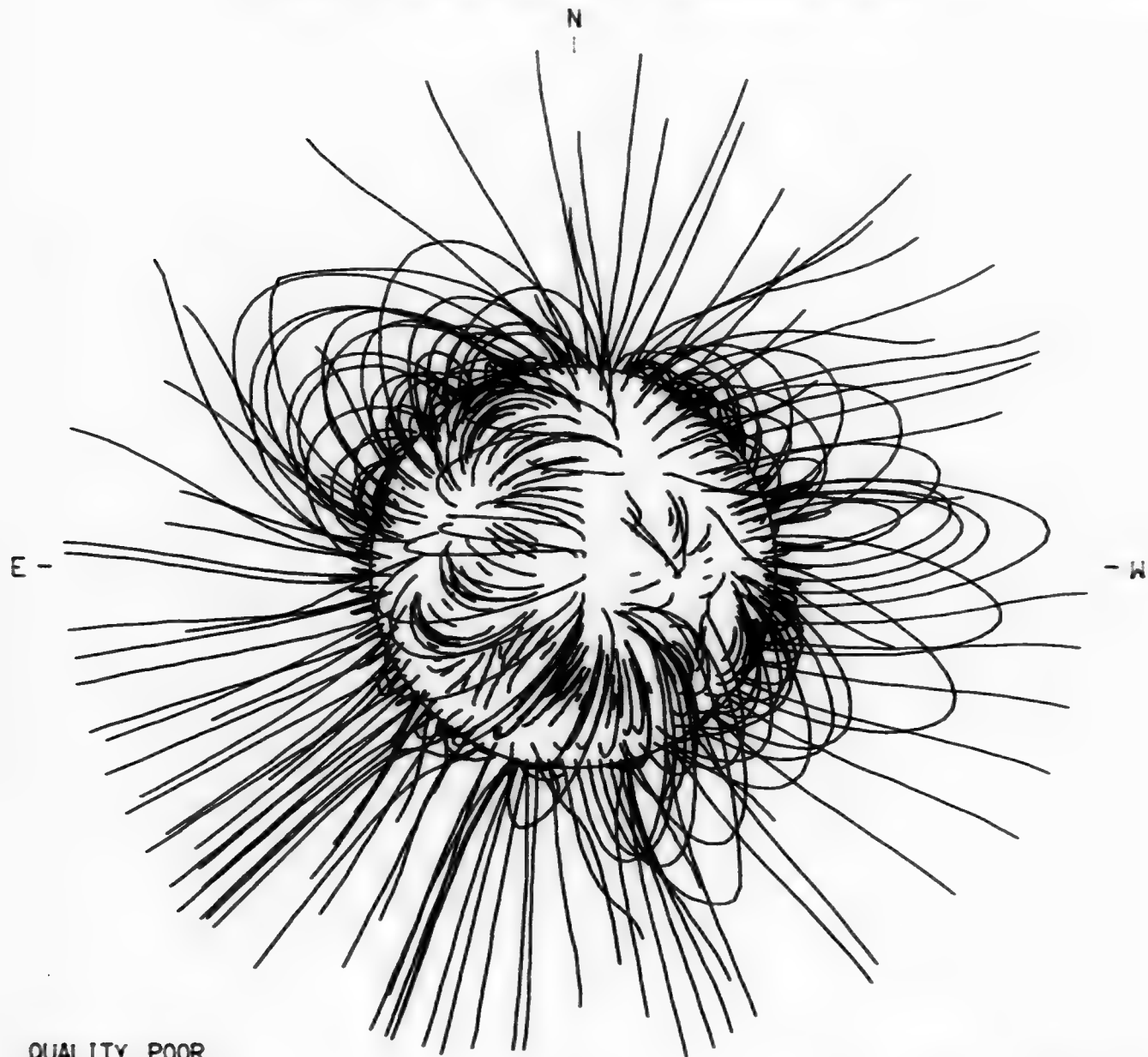


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
S

ROT. 1458 LONG. 240°
8.9 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

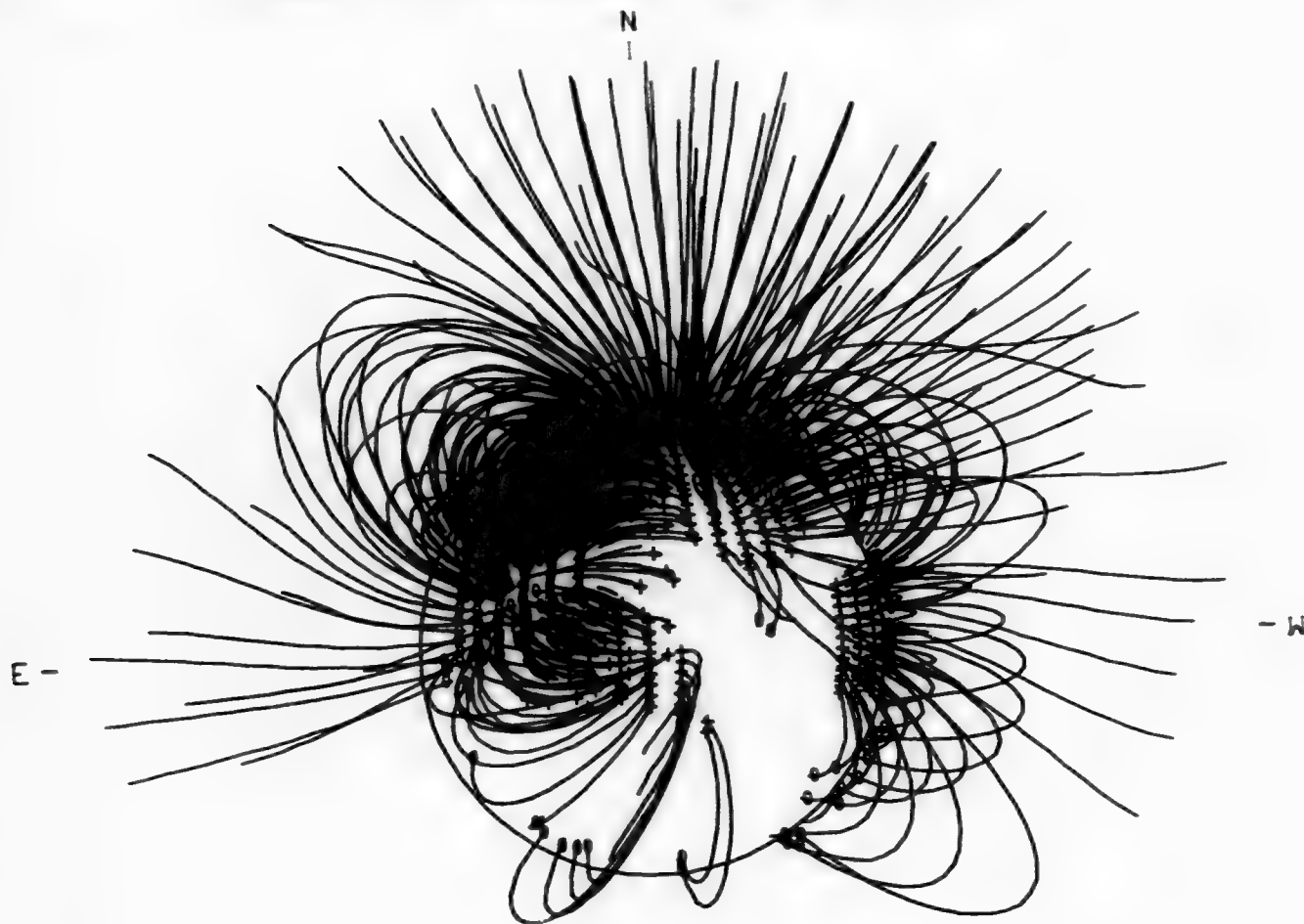
DATA WINDOW 1458.00

S

ROT. 1458 LONG. 230°

9.7 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

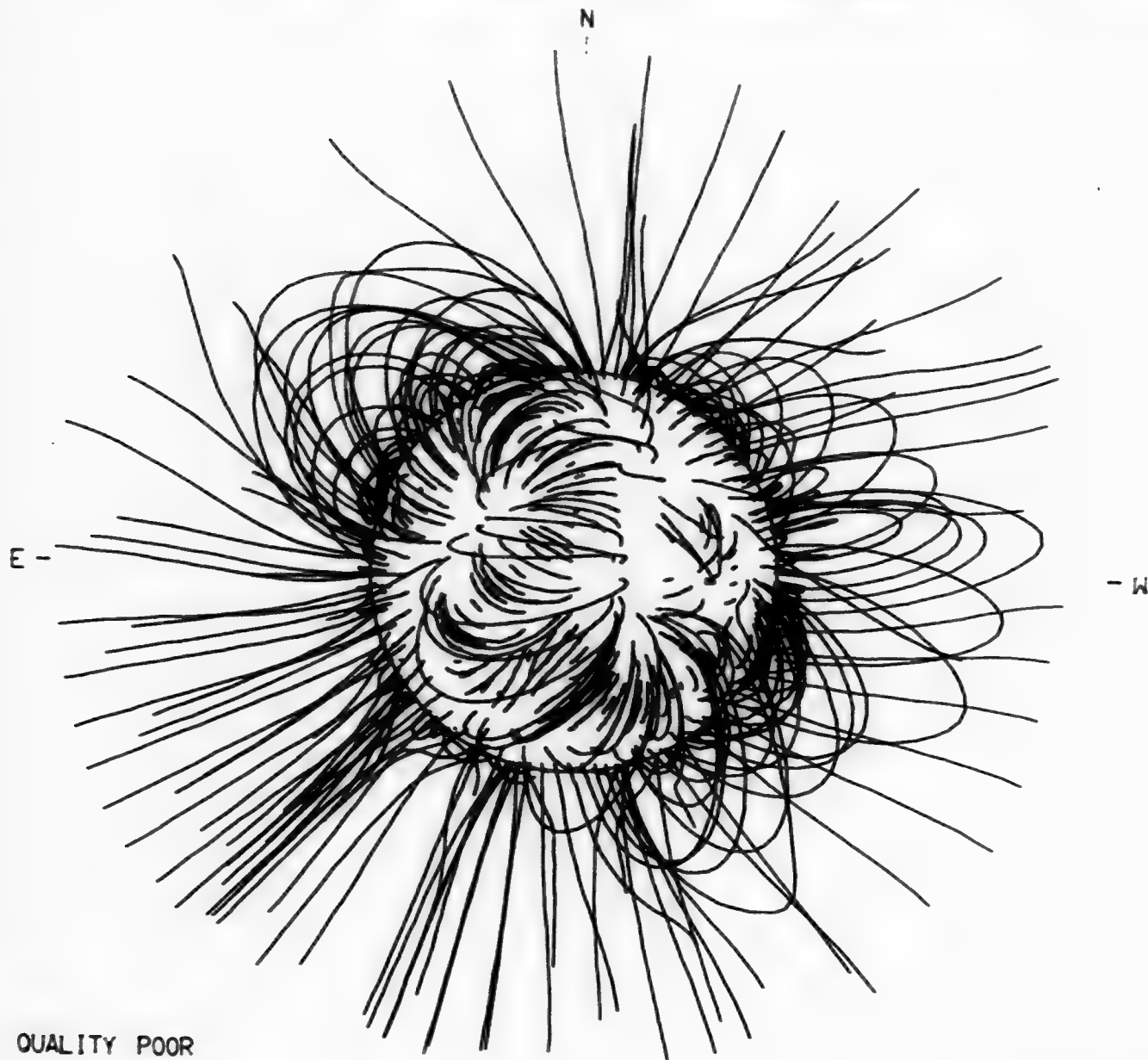


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
S

ROT. 1458 LONG. 250°
9.7 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

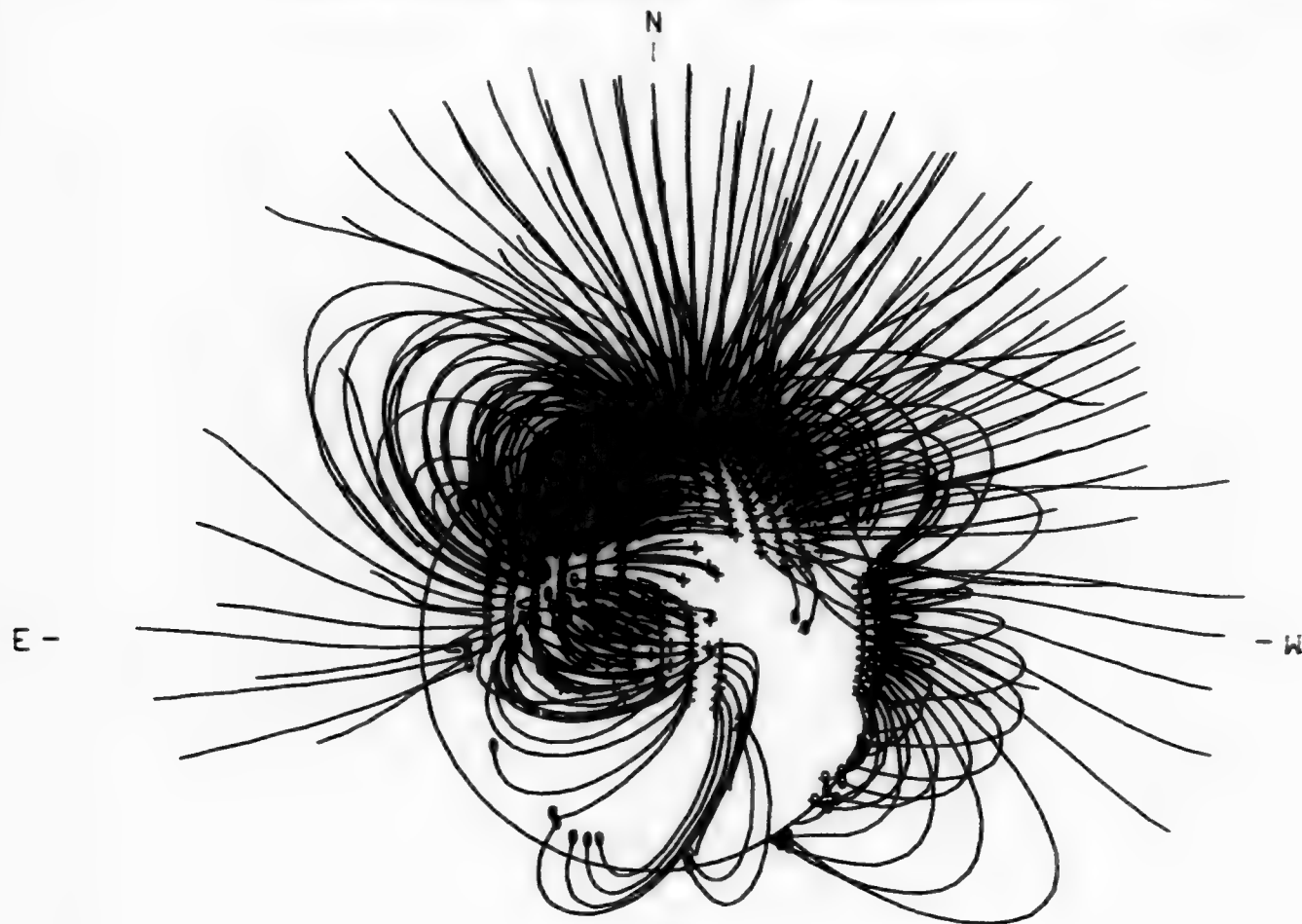


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
S

ROT. 1458 LONG. 220°
10.4 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

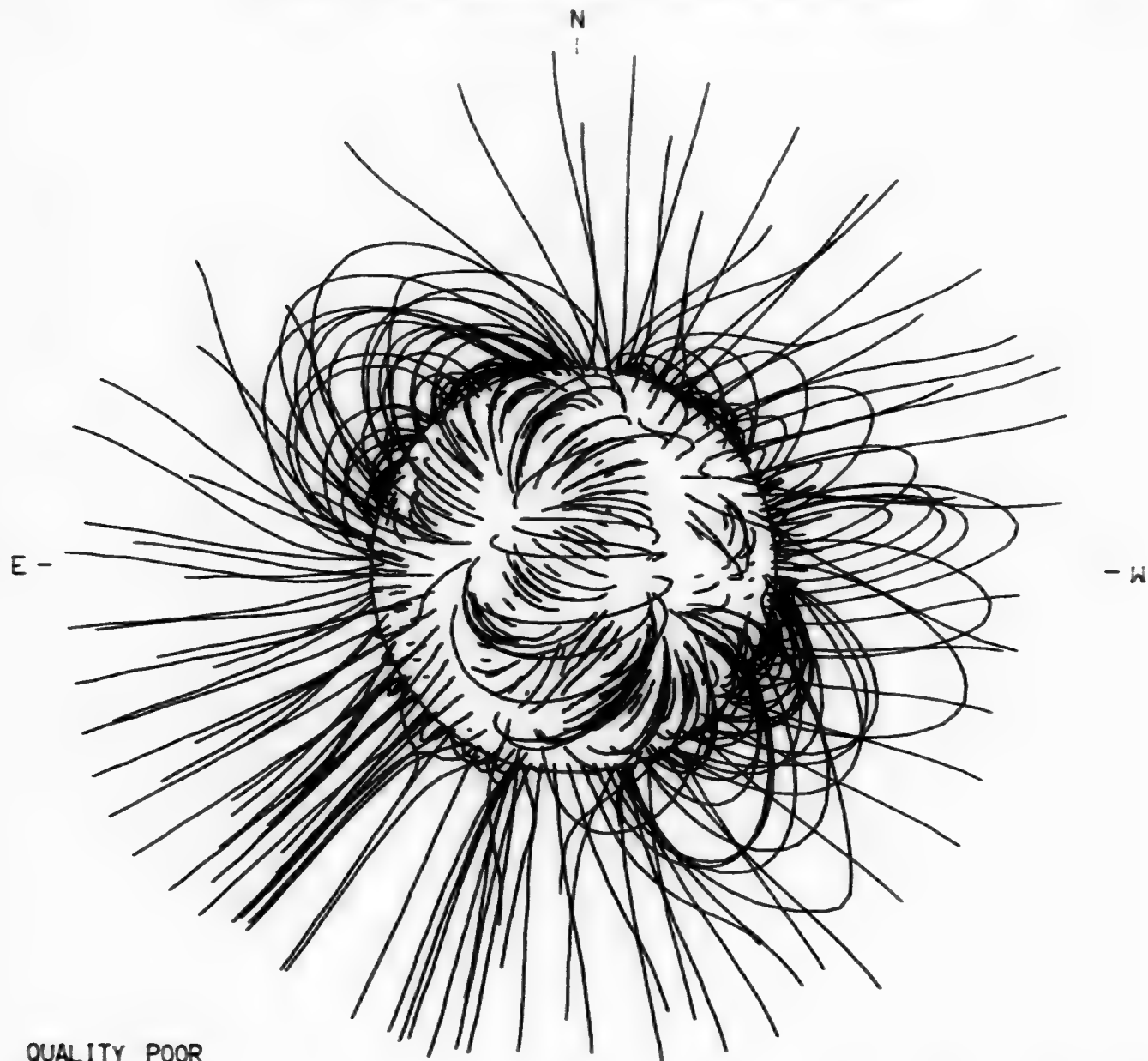


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
S

ROT. 1458 LONG. 220°
10.4 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

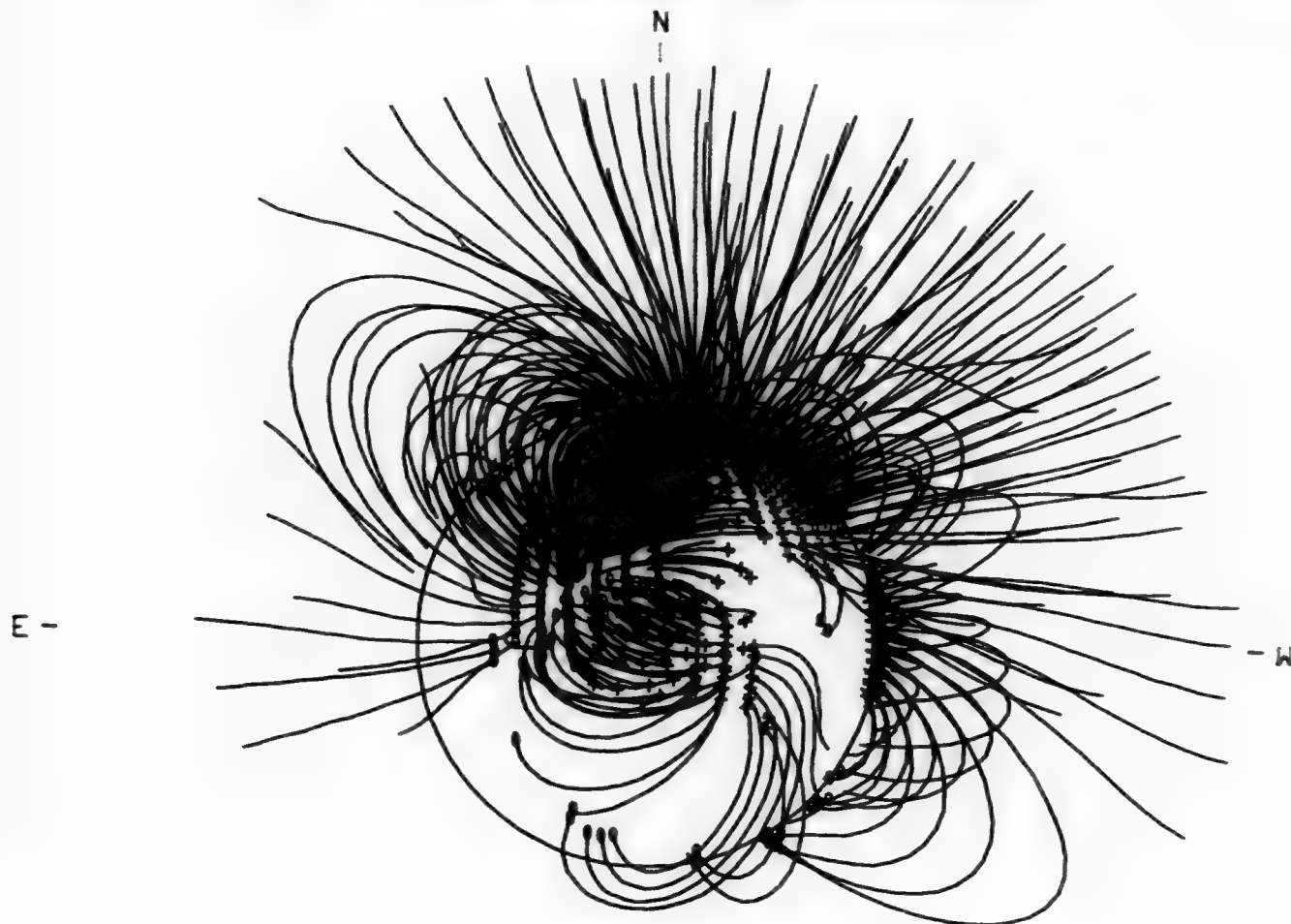
DATA WINDOW 1458.00

S

ROT. 1458 LONG. 210°

11.2 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

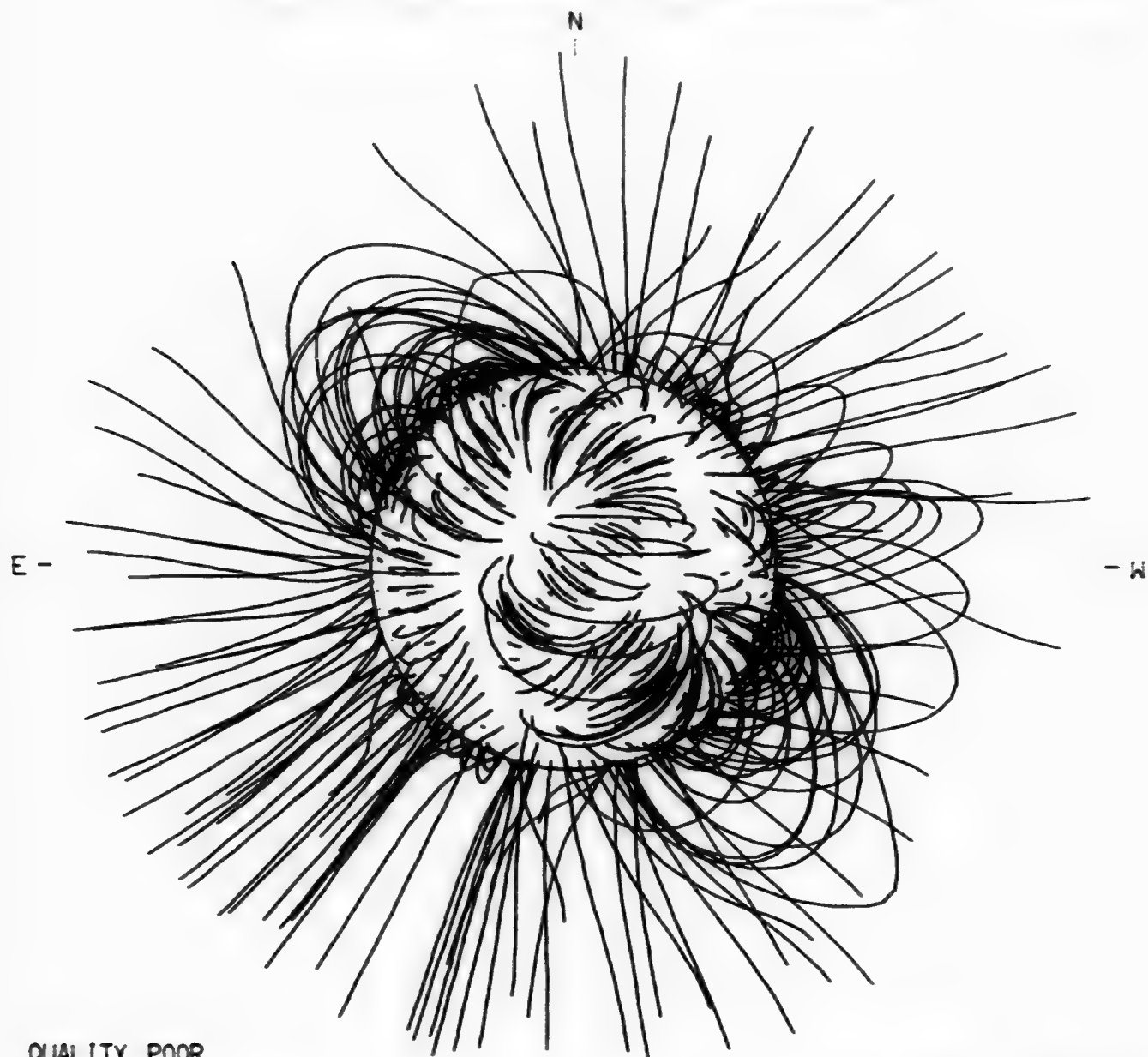


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
S

ROT. 1458 LONG. 210°
11.2 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

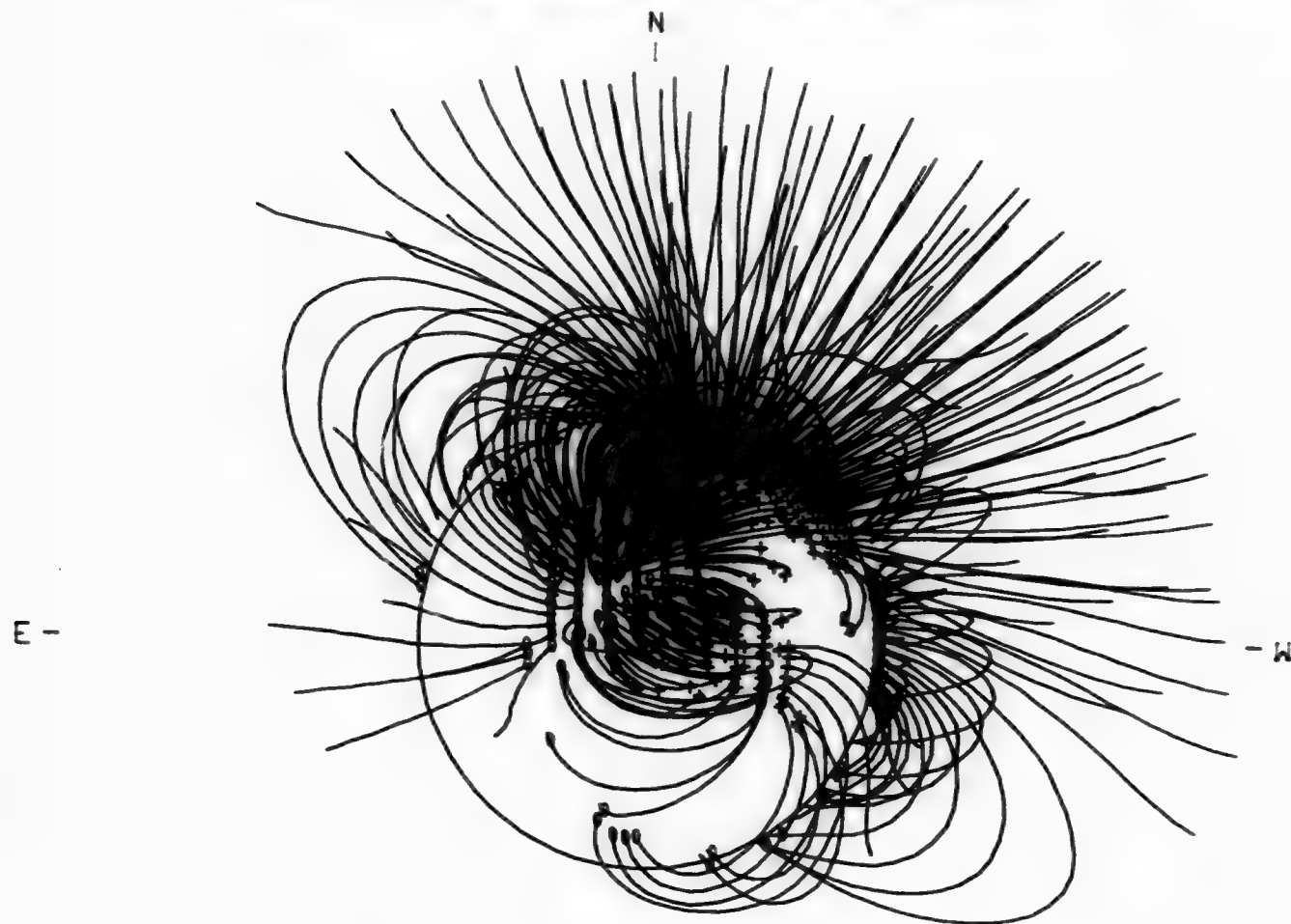
DATA WINDOW 1458.00

I
S

ROT. 1458 LONG. 200°

12.0 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

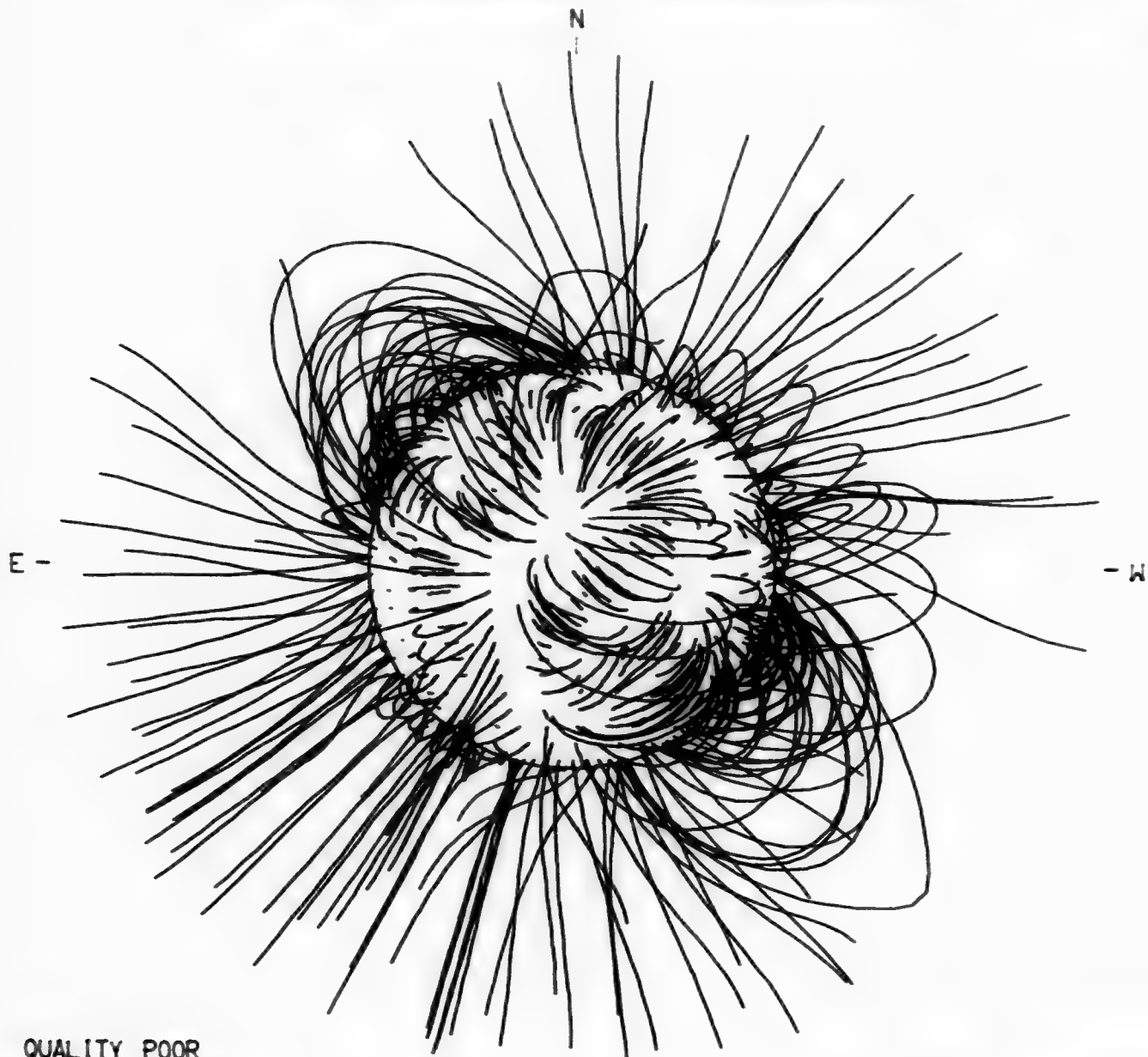


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
S

ROT. 1458 LONG. 200°
12.0 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

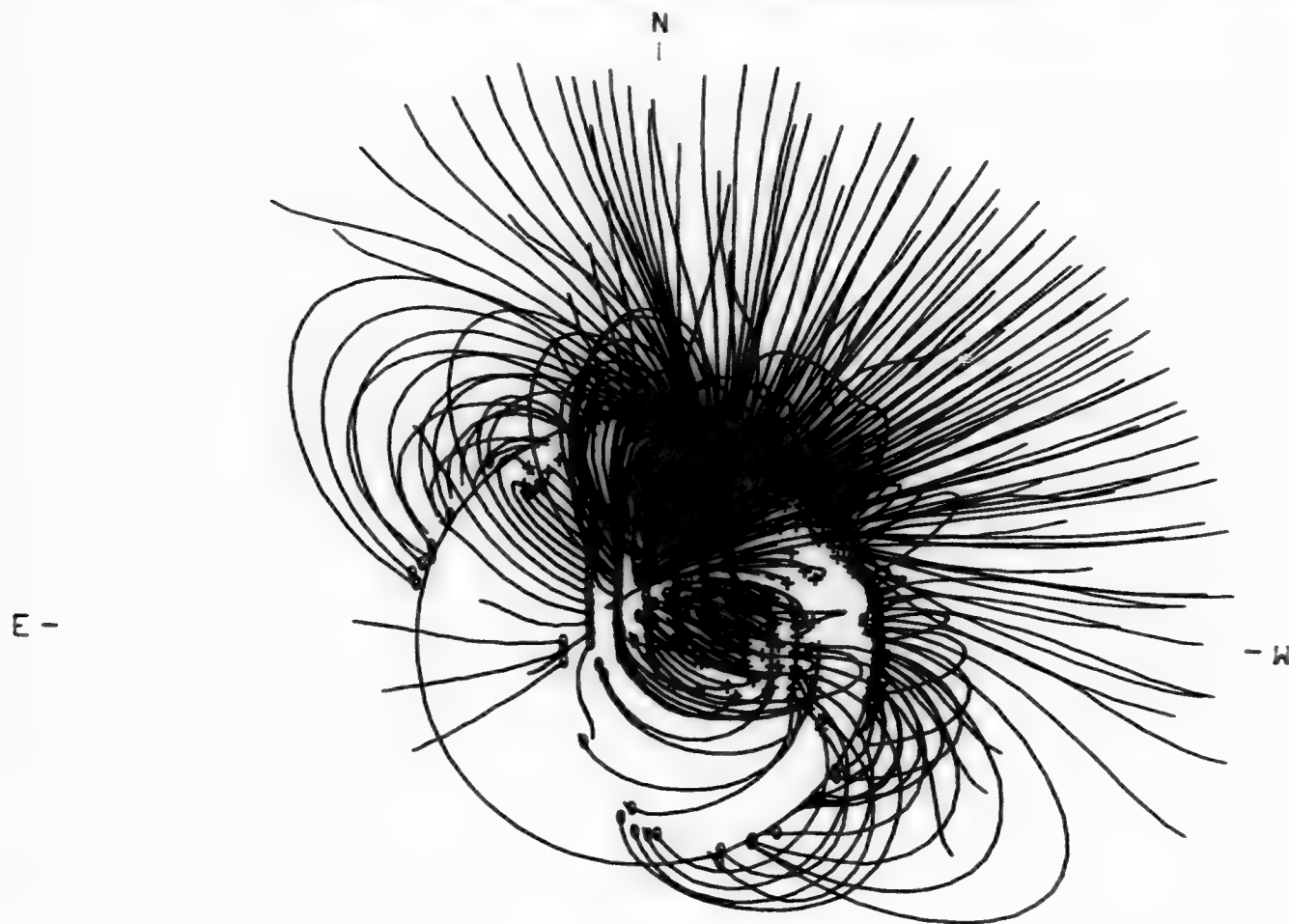
DATA WINDOW 1458.00

I
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ROT. 1458 LONG. 190°

12.7 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

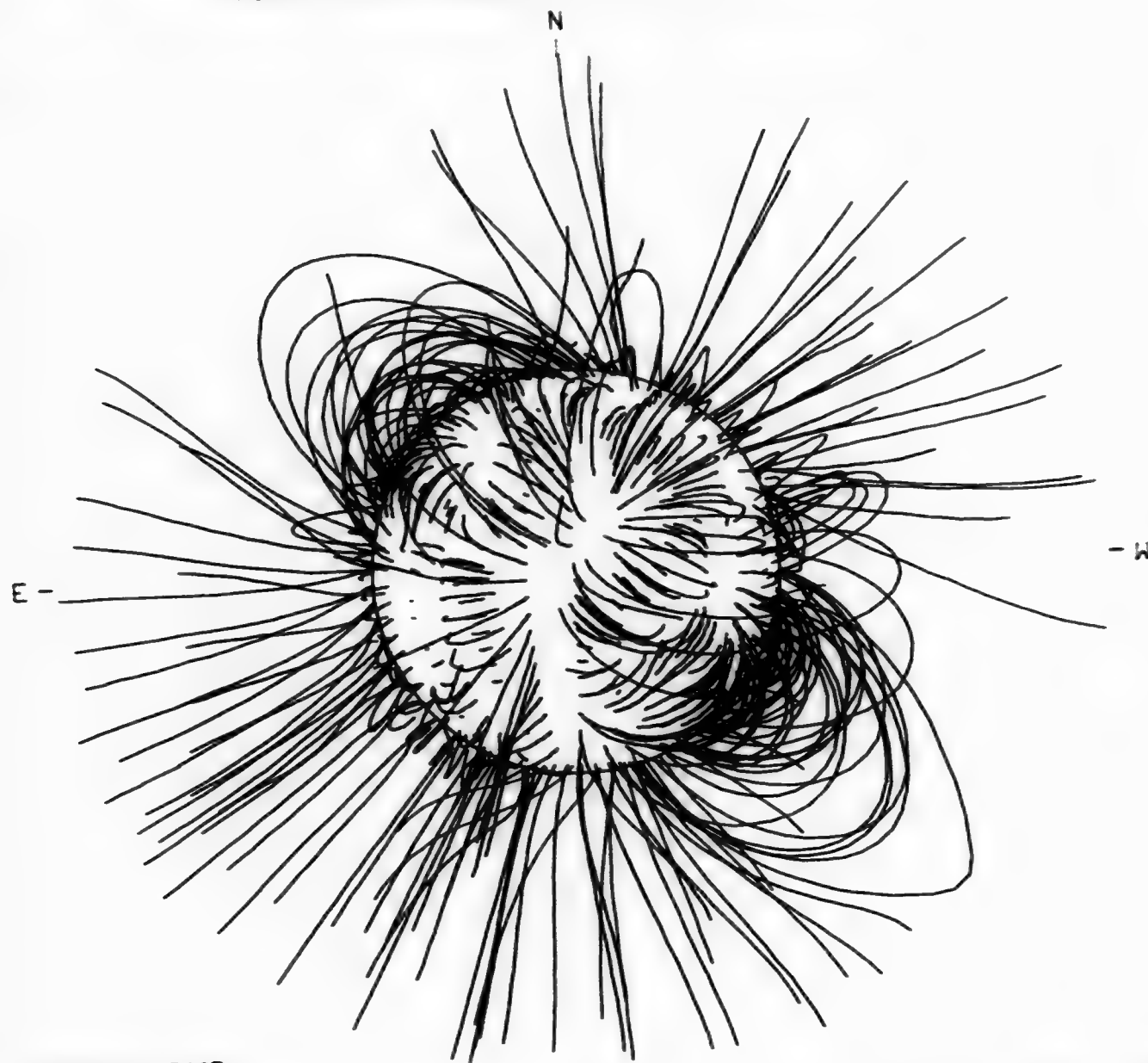


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
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ROT. 1458 LONG. 190°
12.7 SEP 1962

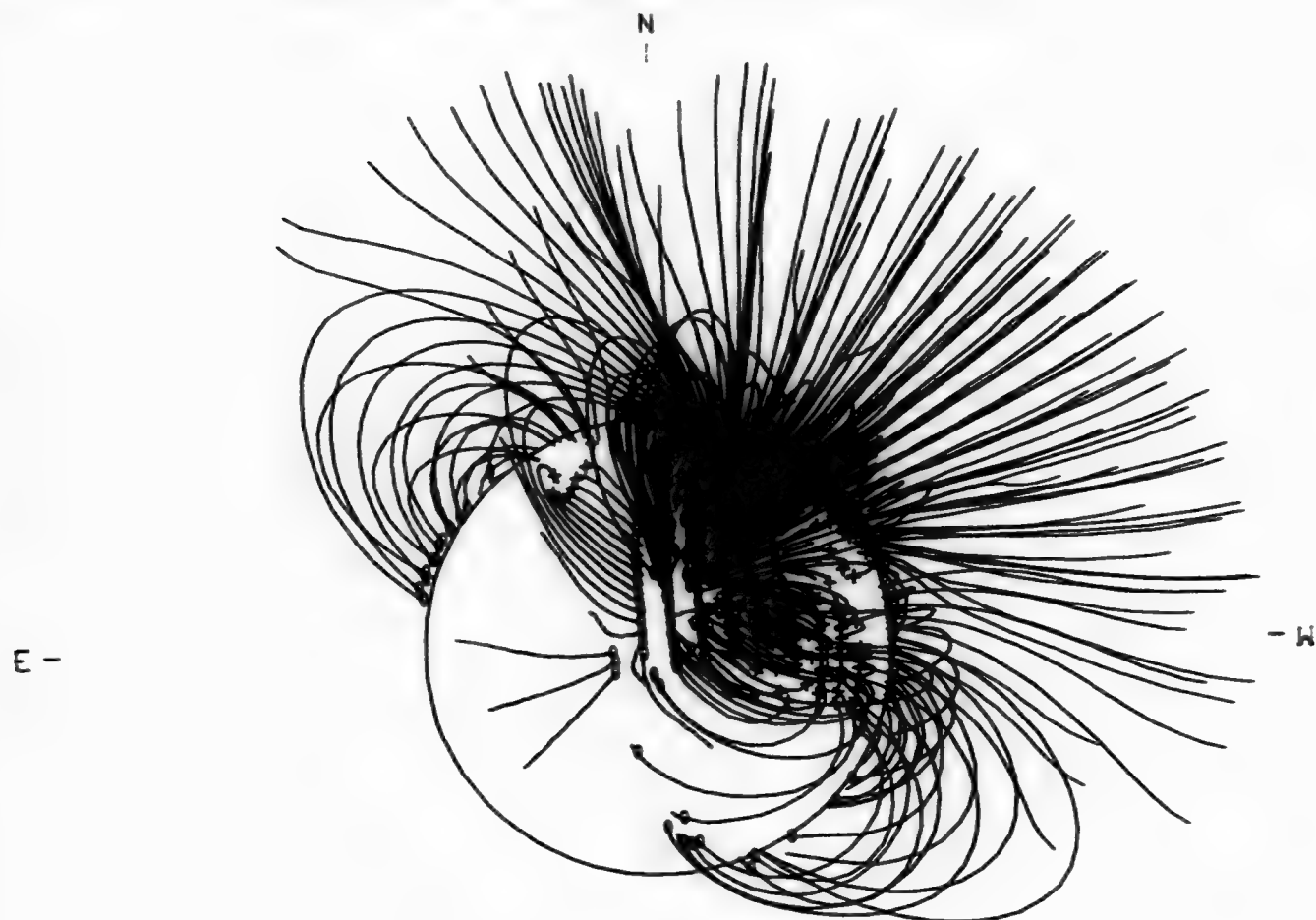
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

ROT. 1458 LONG. 180°
13.5 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

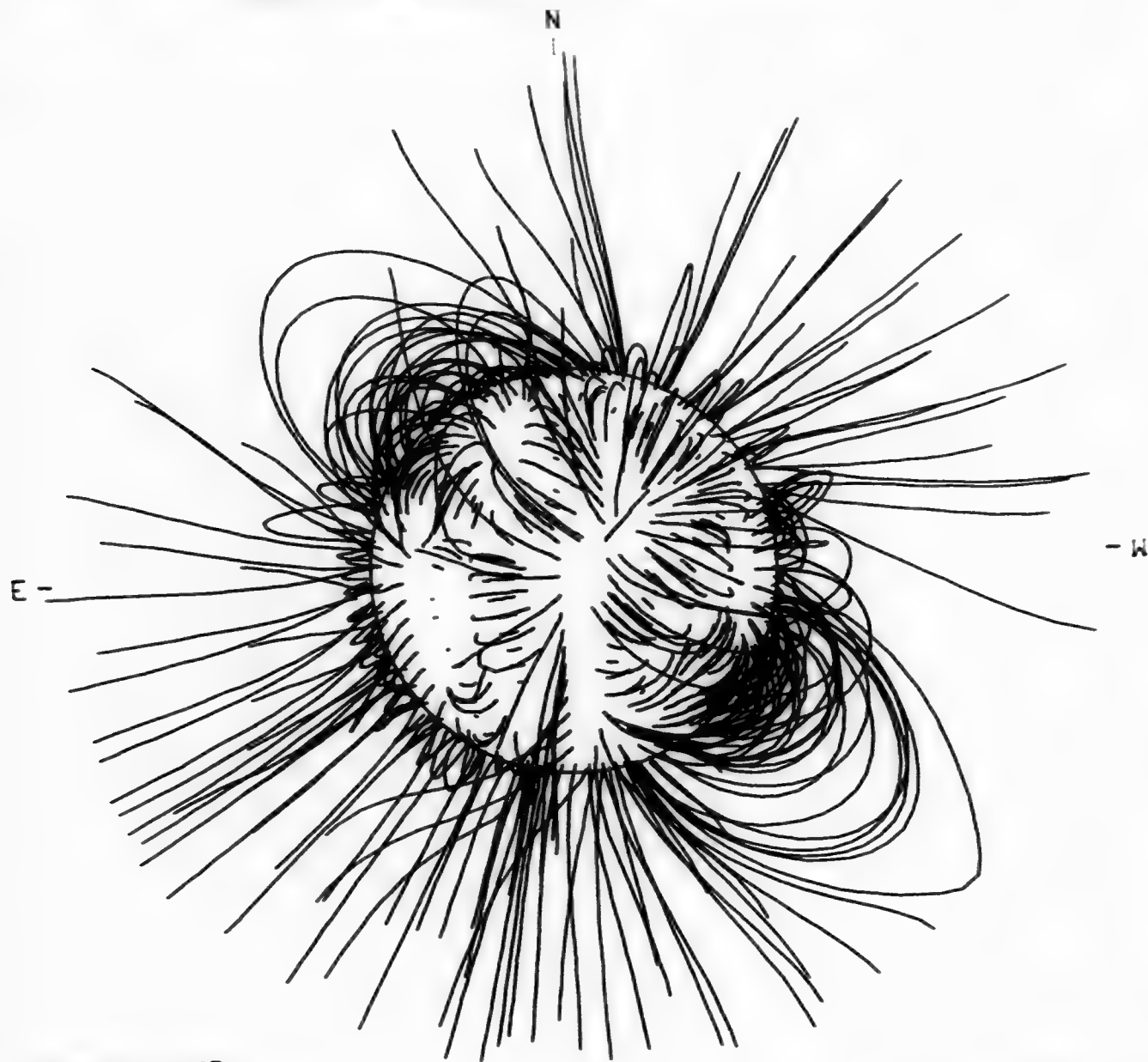


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
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ROT. 1458 LONG. 180°
13.5 SEP 1962

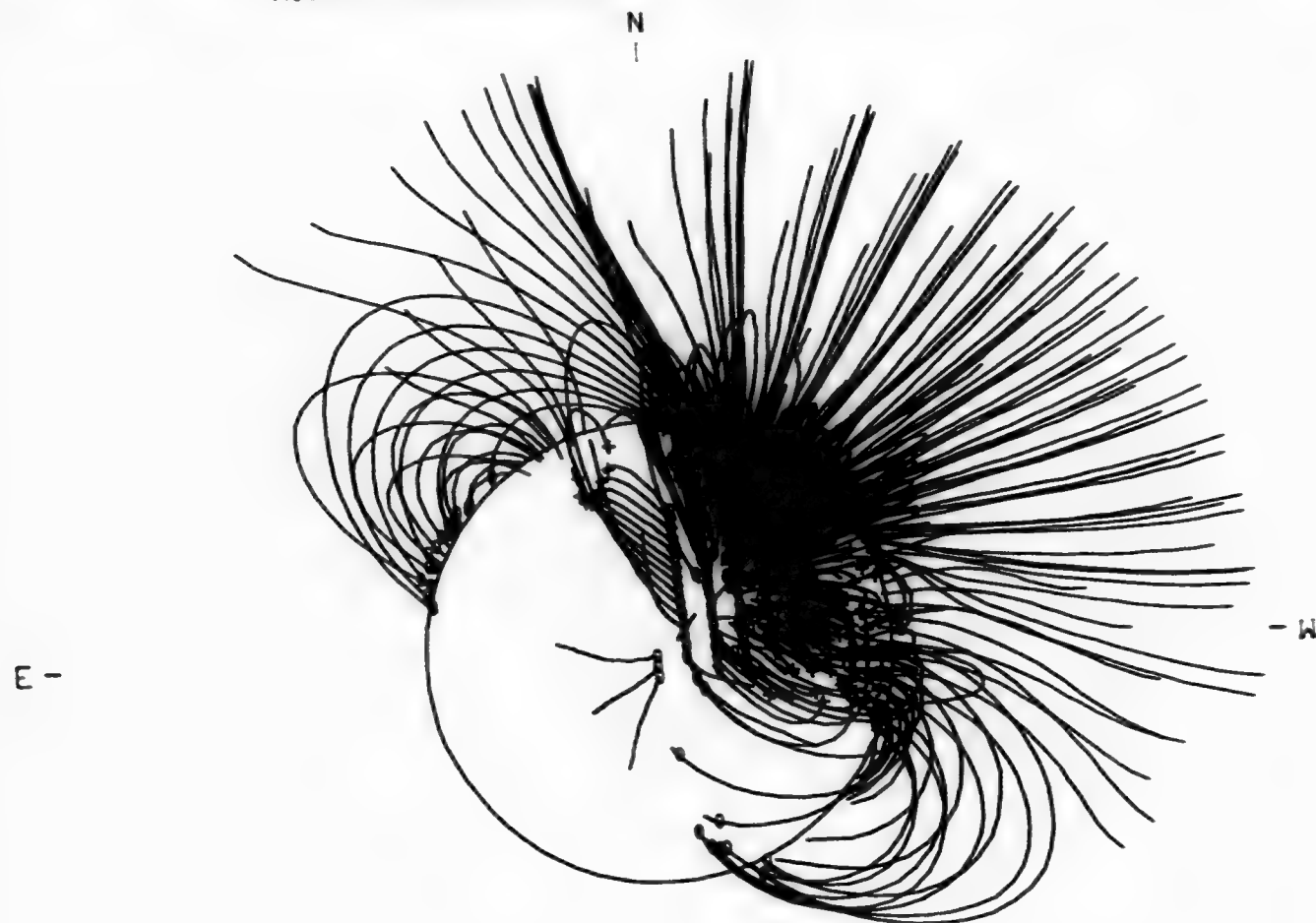
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

ROT. 1458 LONG. 170°
14.2 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

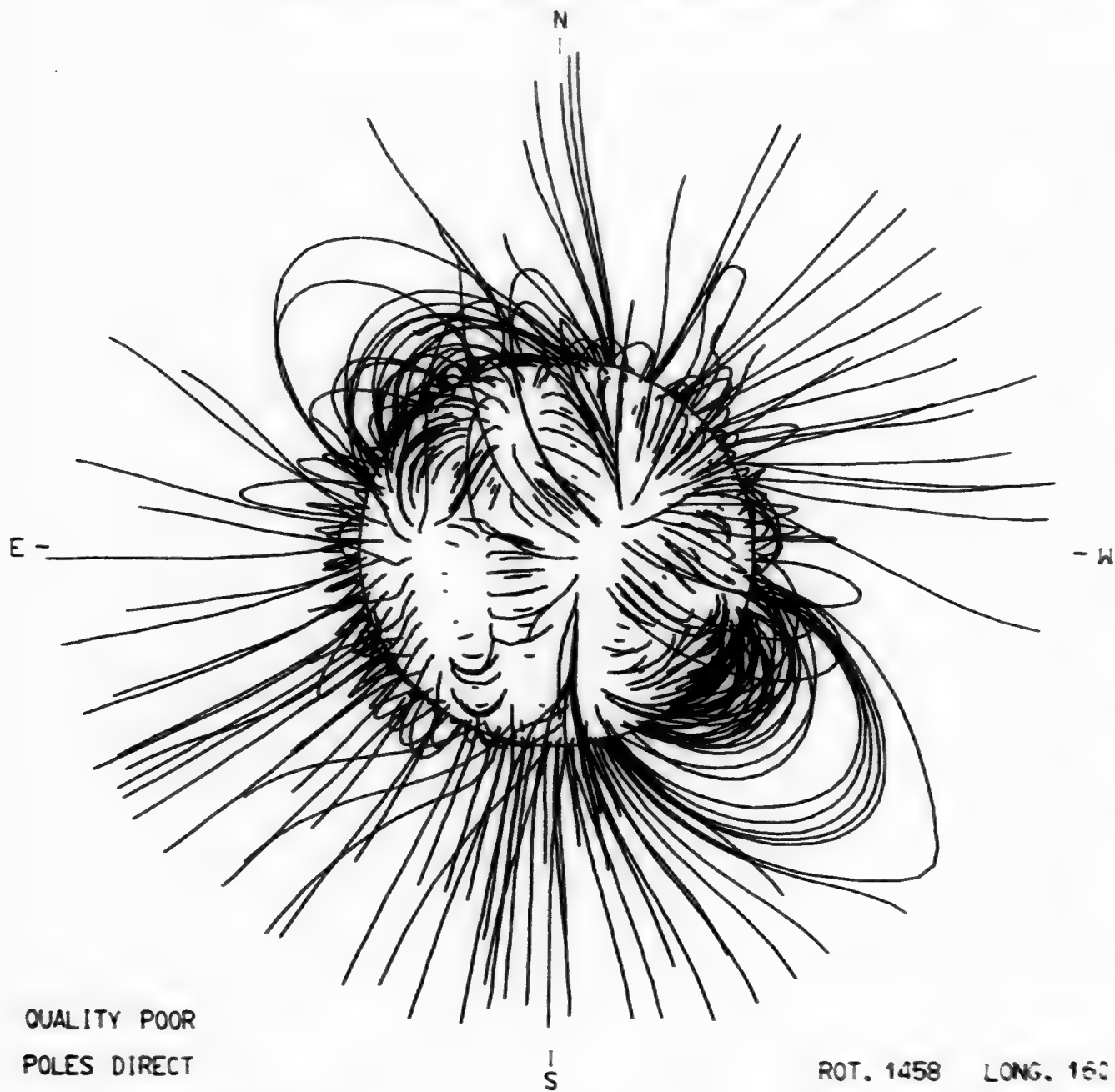


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
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ROT. 1458 LONG. 170°
14.2 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

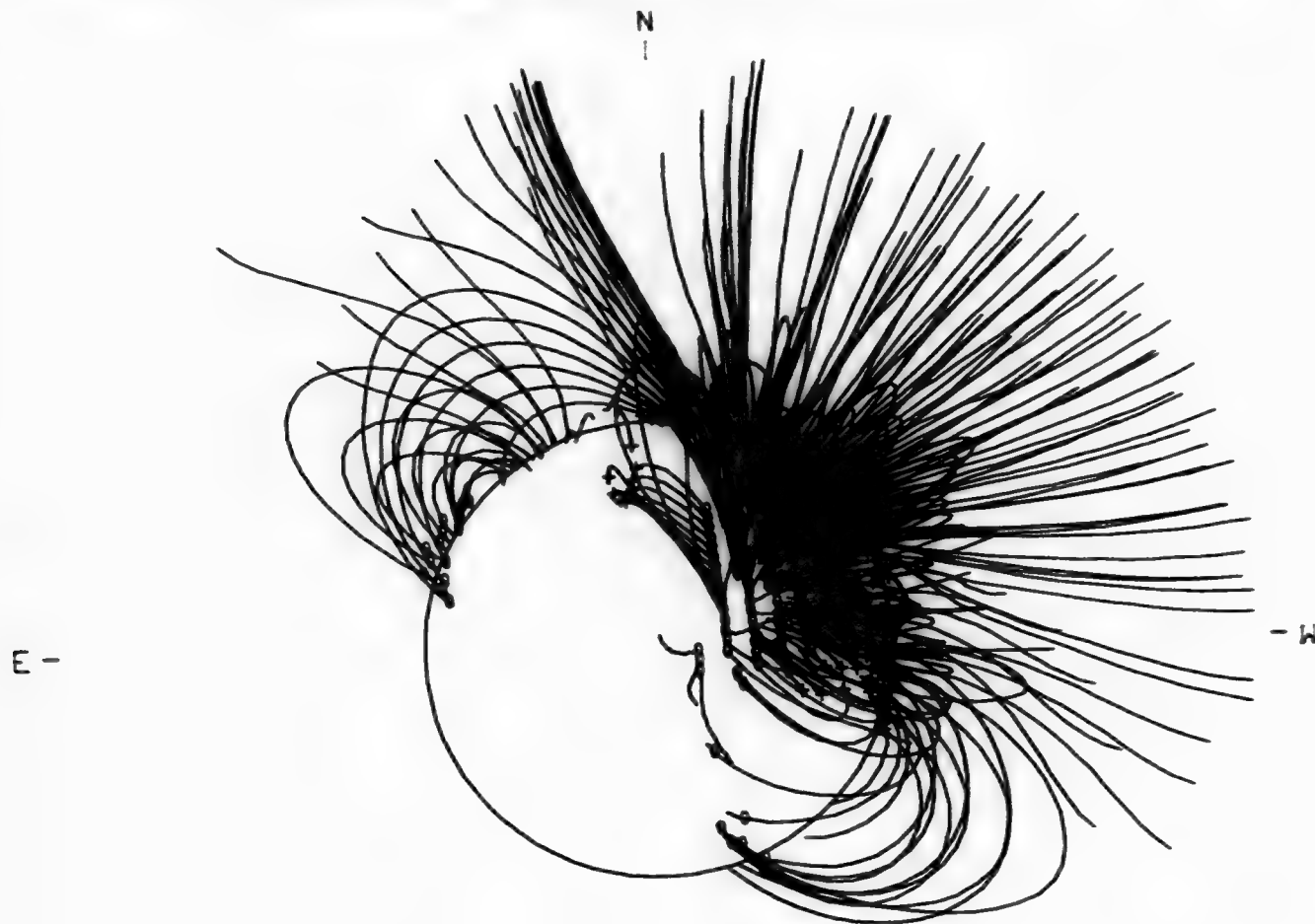
DATA WINDOW 1458.00

S

ROT. 1458 LONG. 160°

15.0 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

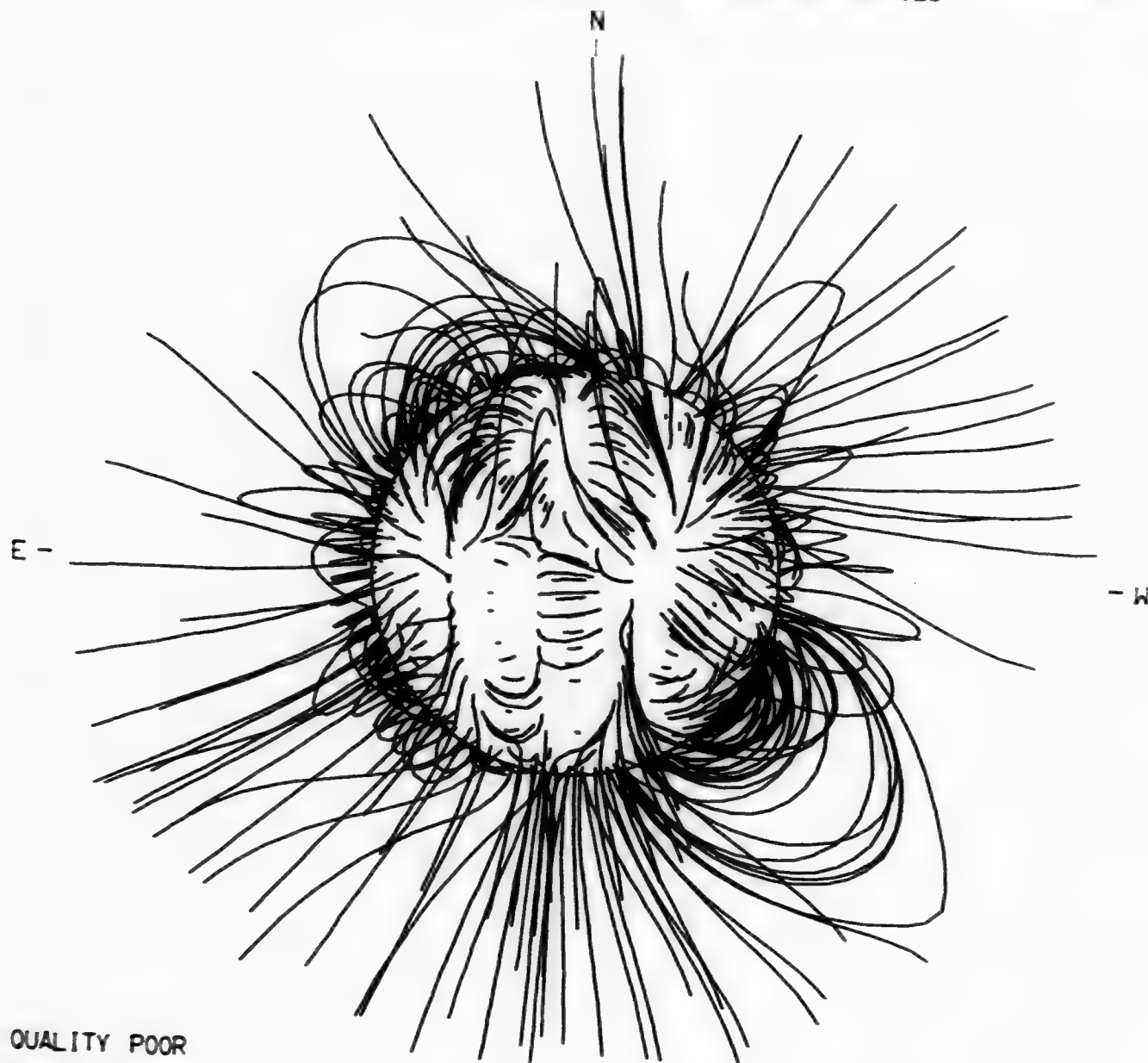


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
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ROT. 1458 LONG. 163°
15.0 SEP 1962

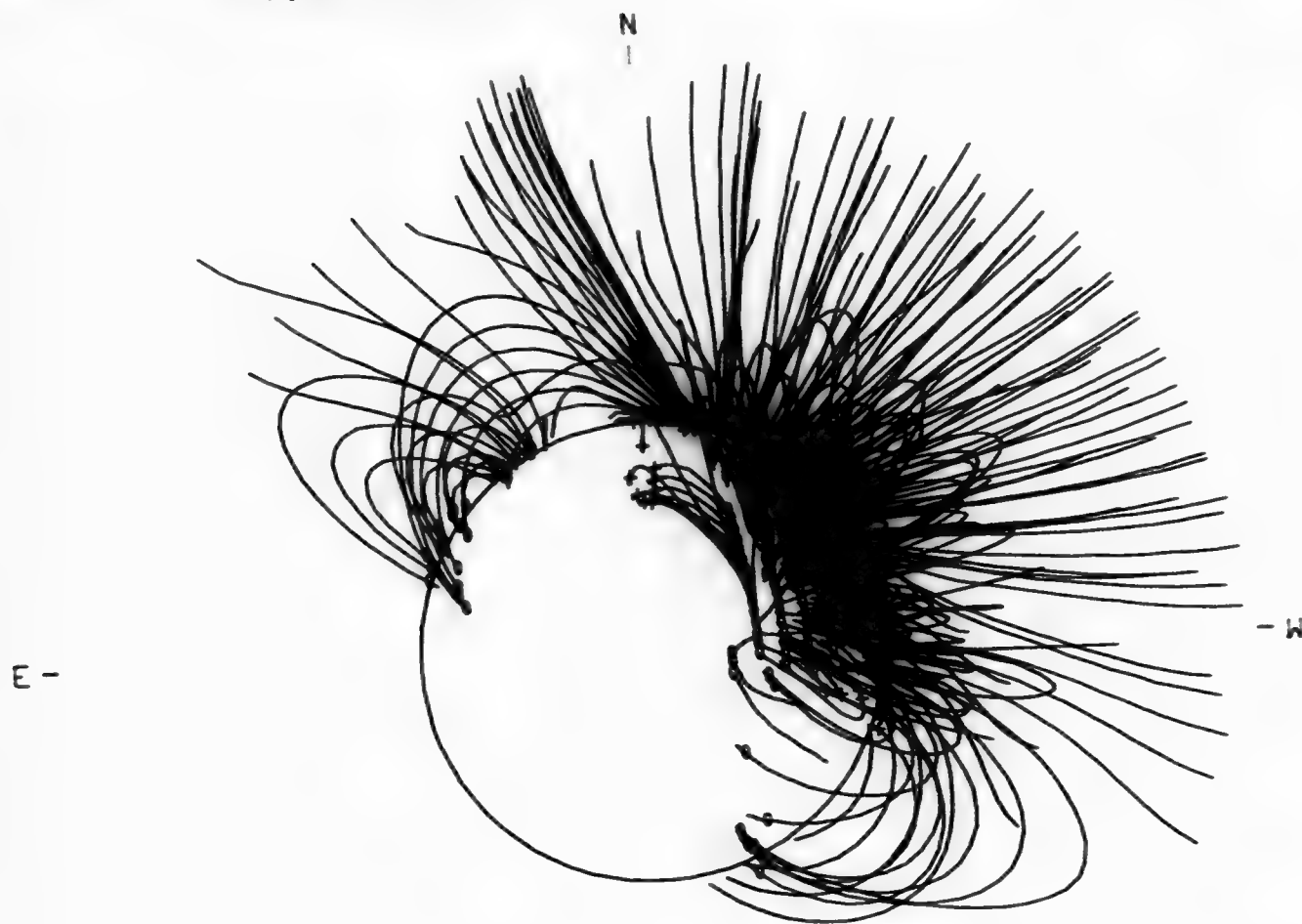
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

ROT. 1458 LONG. 150°
15.7 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

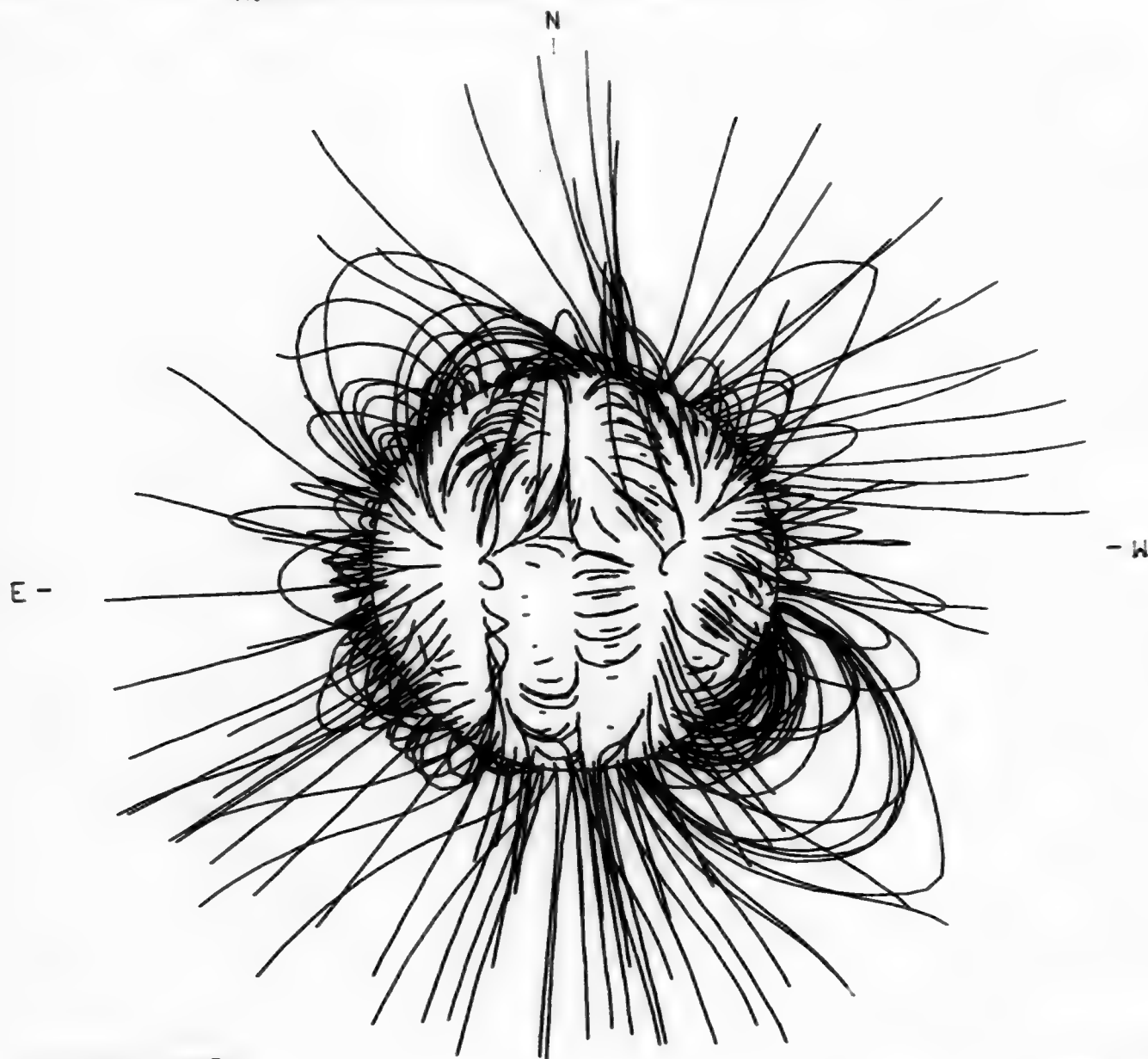


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

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ROT. 1458 LONG. 150°
15.7 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

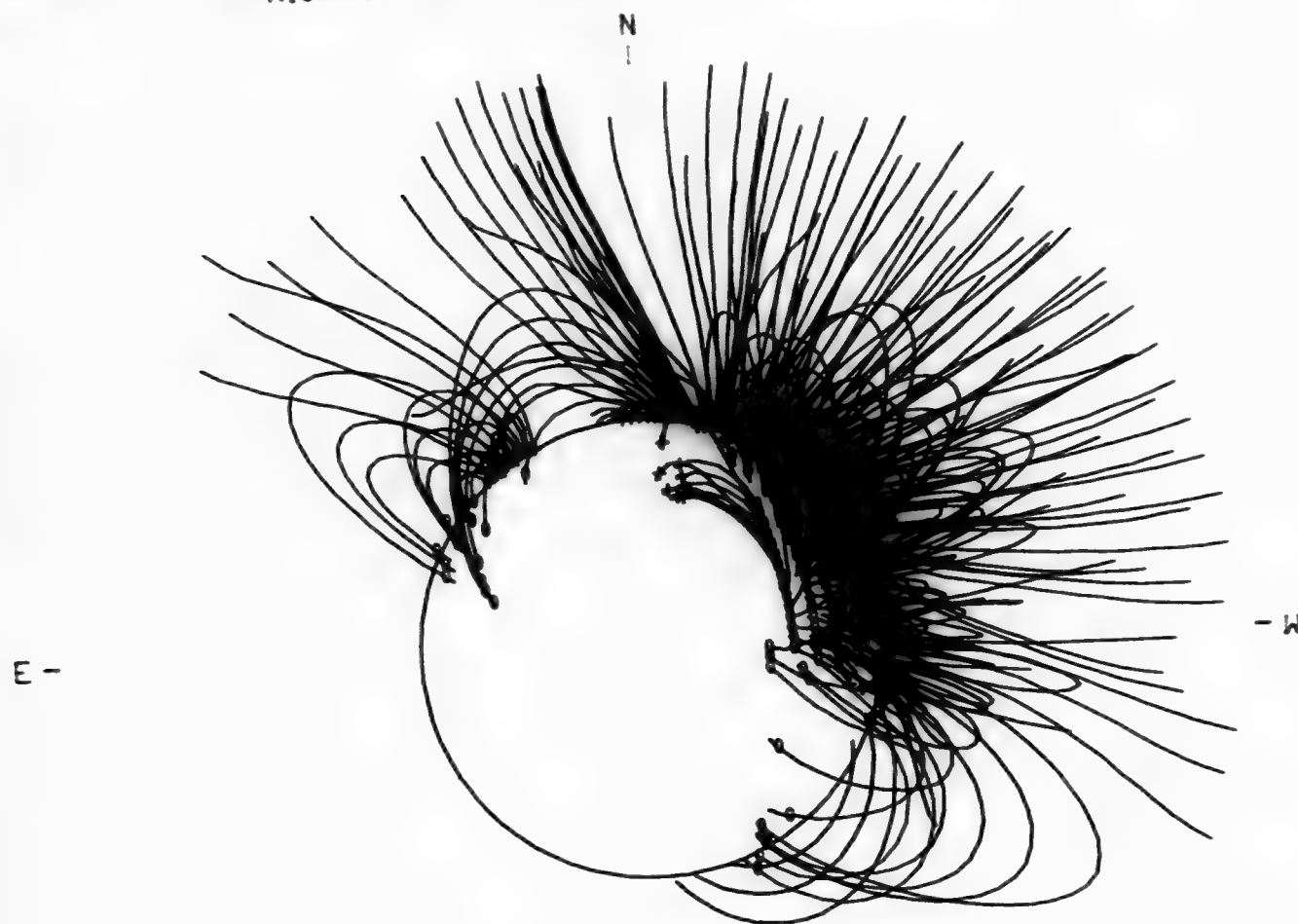


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
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ROT. 1458 LONG. 140°
16.5 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

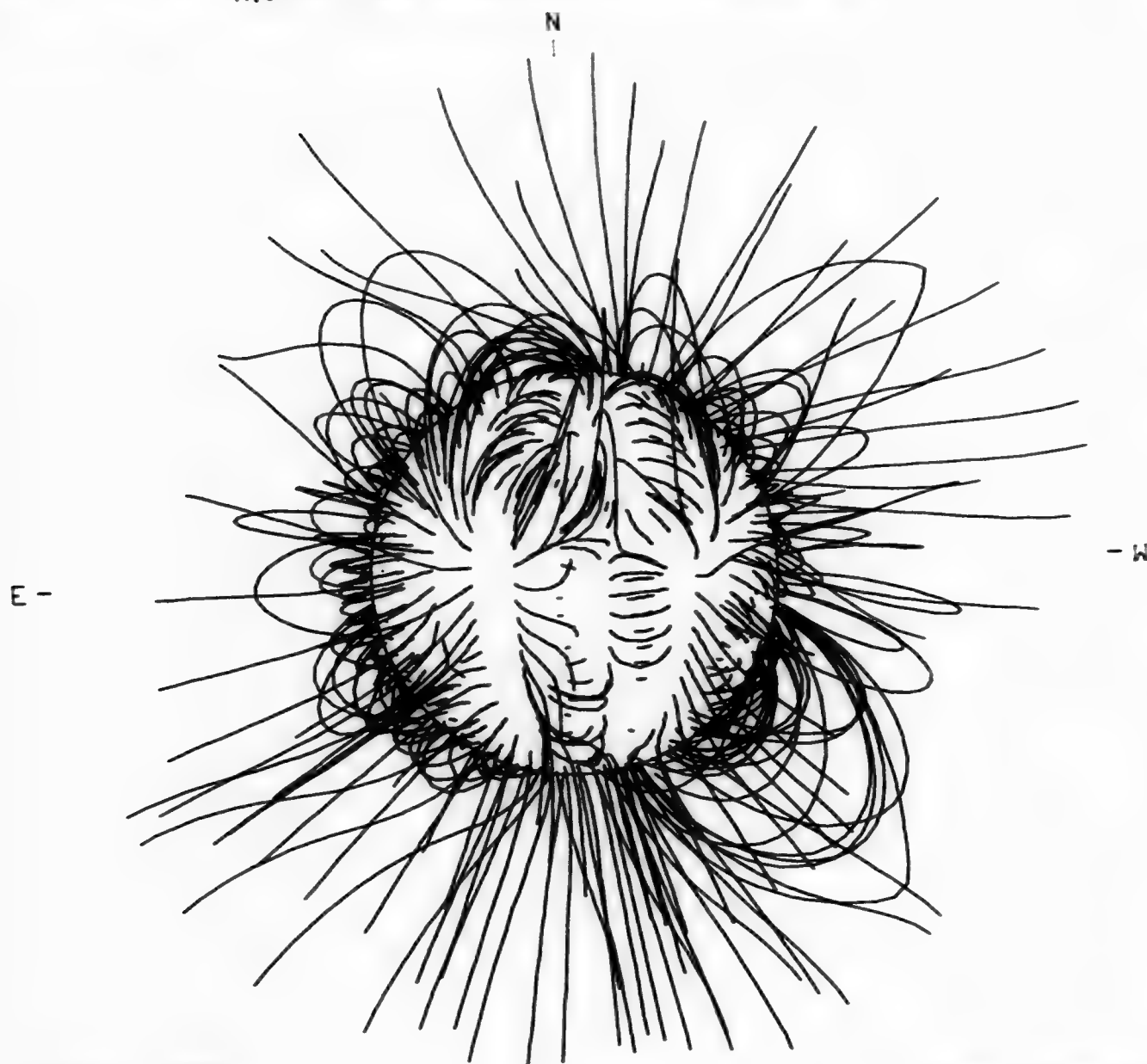


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

S

ROT. 1458 LONG. 140°
16.5 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

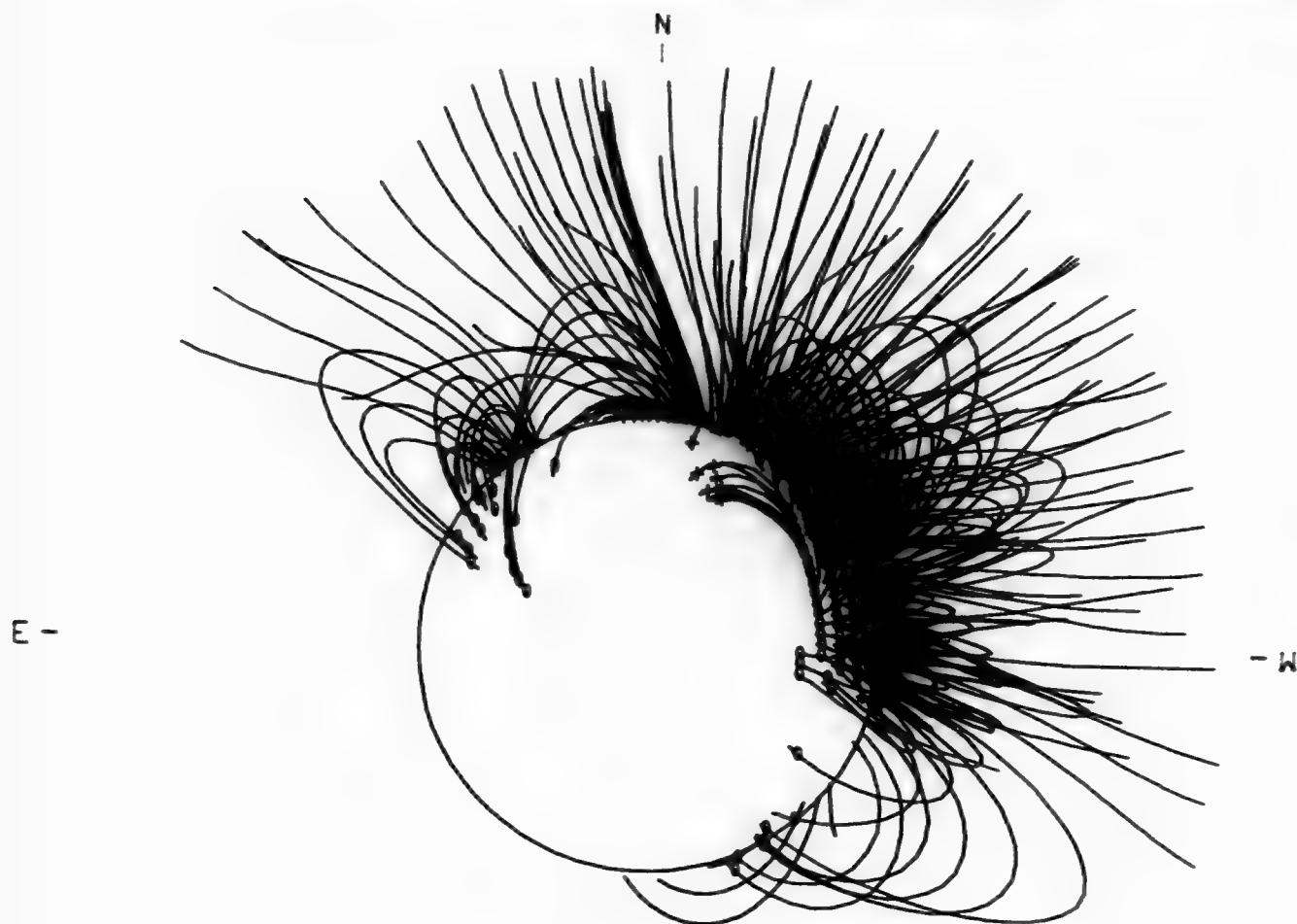


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
S

ROT. 1458 LONG. 130°
17.3 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

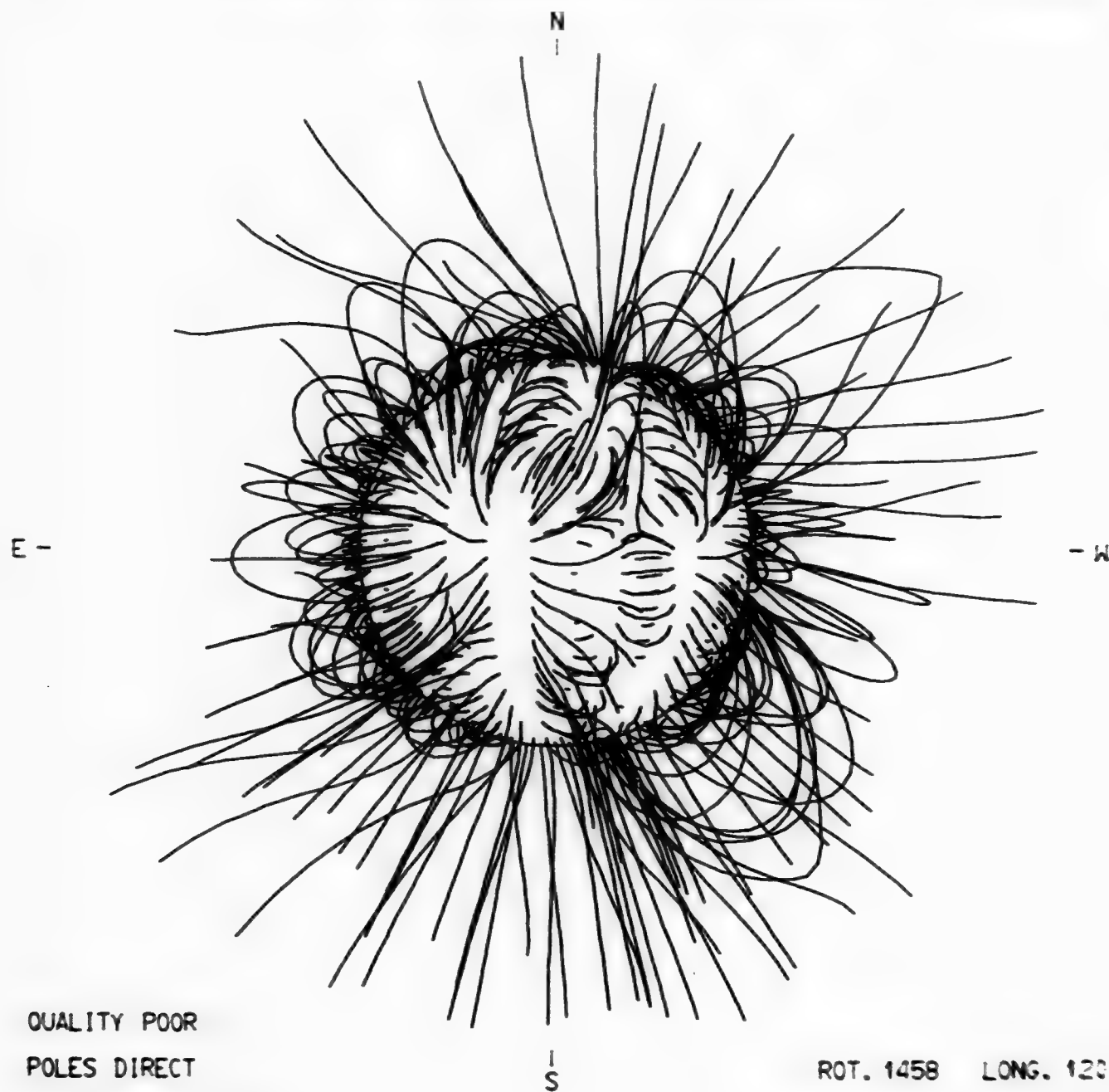


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
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ROT. 1458 LONG. 130°
17.3 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

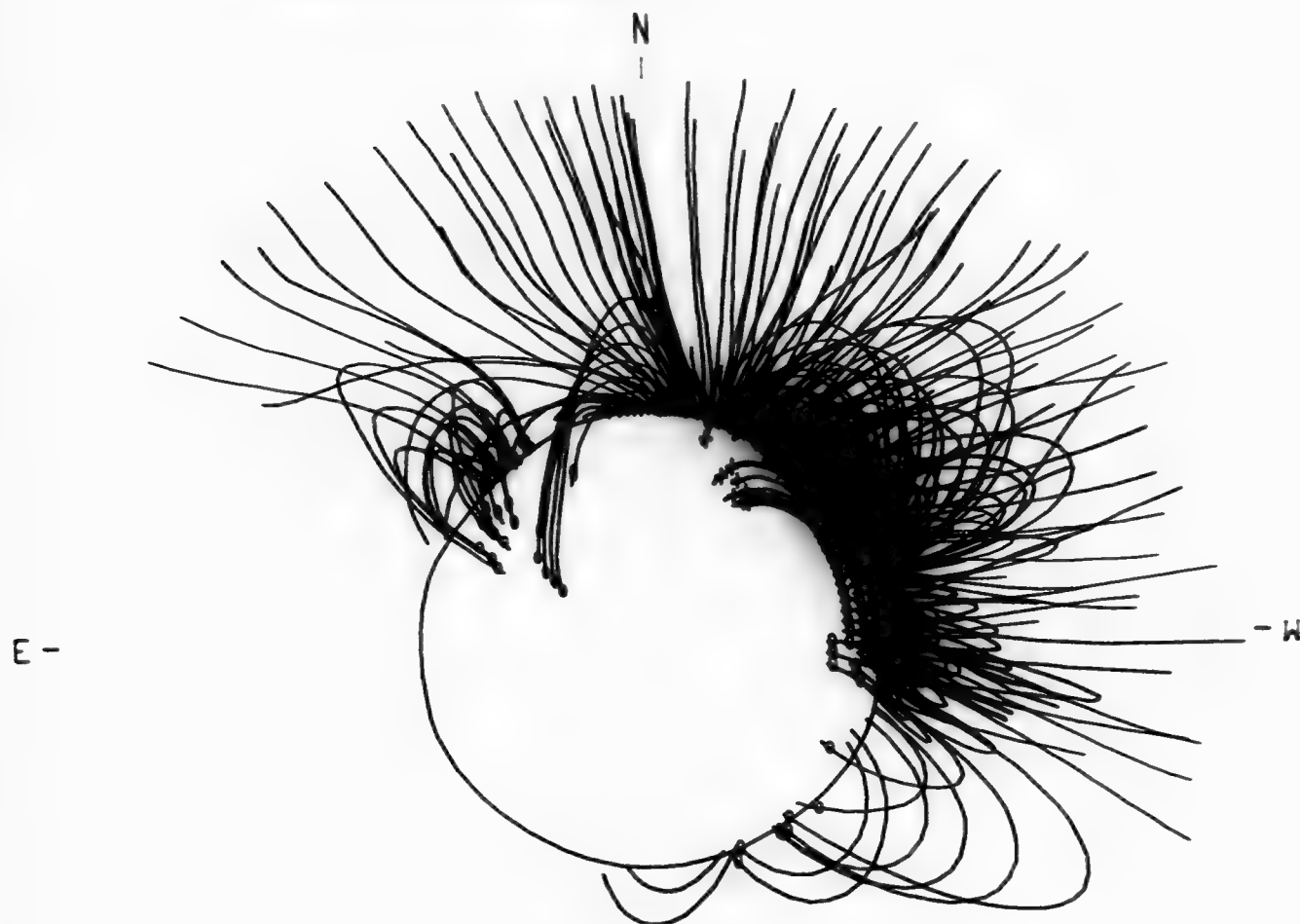
POLES DIRECT

DATA WINDOW 1458.00

ROT. 1458 LONG. 120°

18.0 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

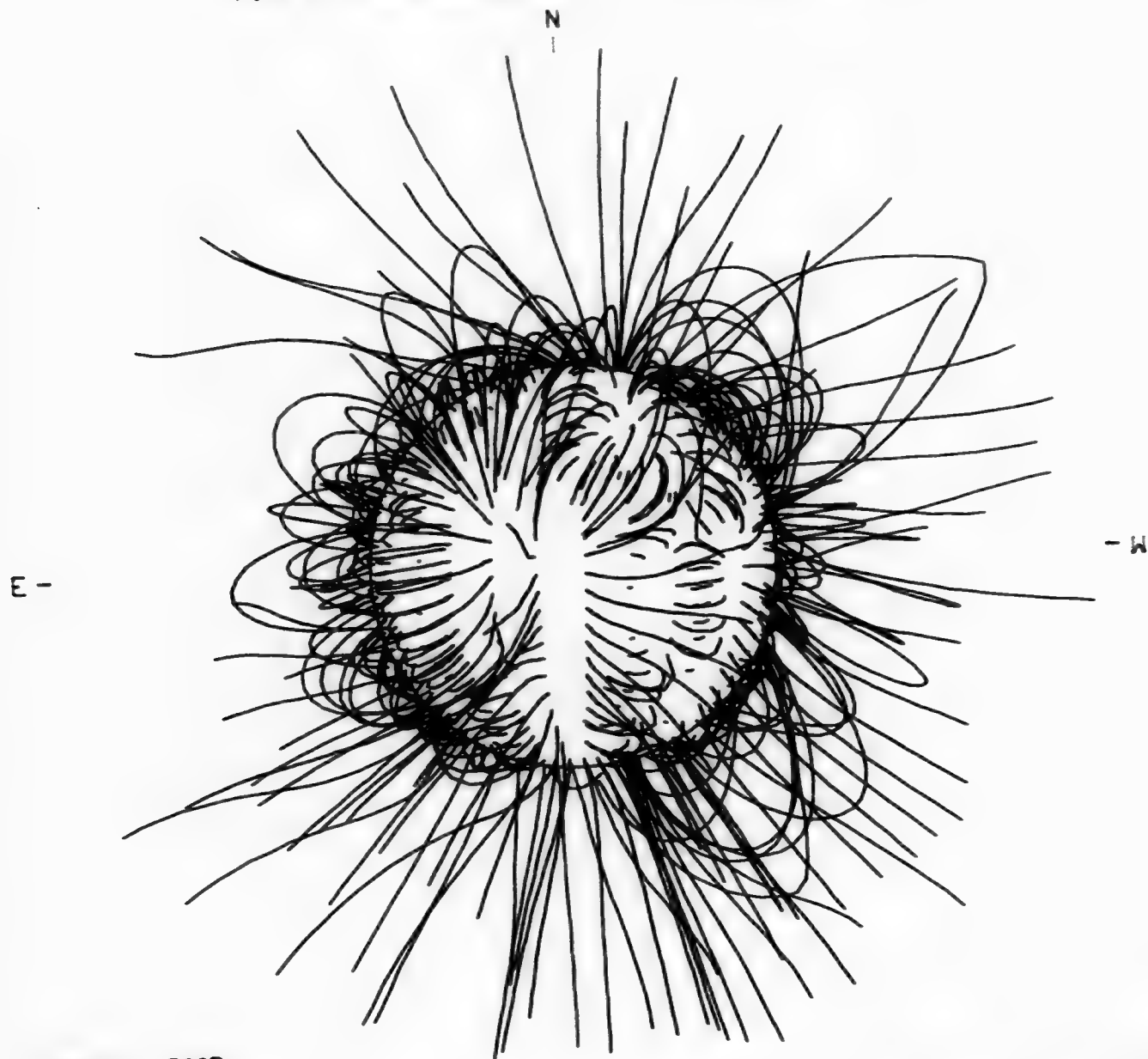


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
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ROT. 1458 LONG. 120°
18.0 SEP 1962

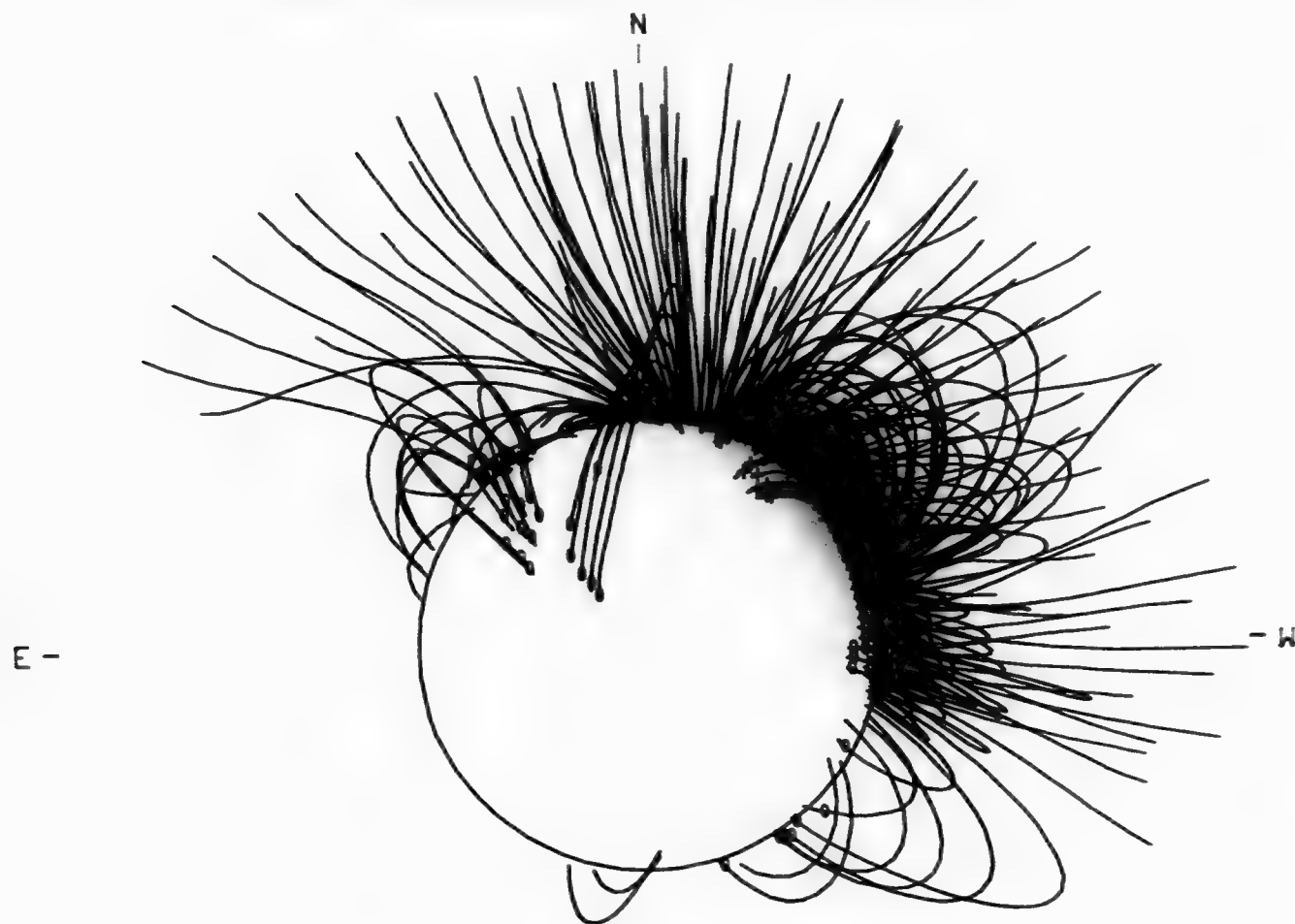
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

ROT. 1458 LONG. 110°
18.8 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

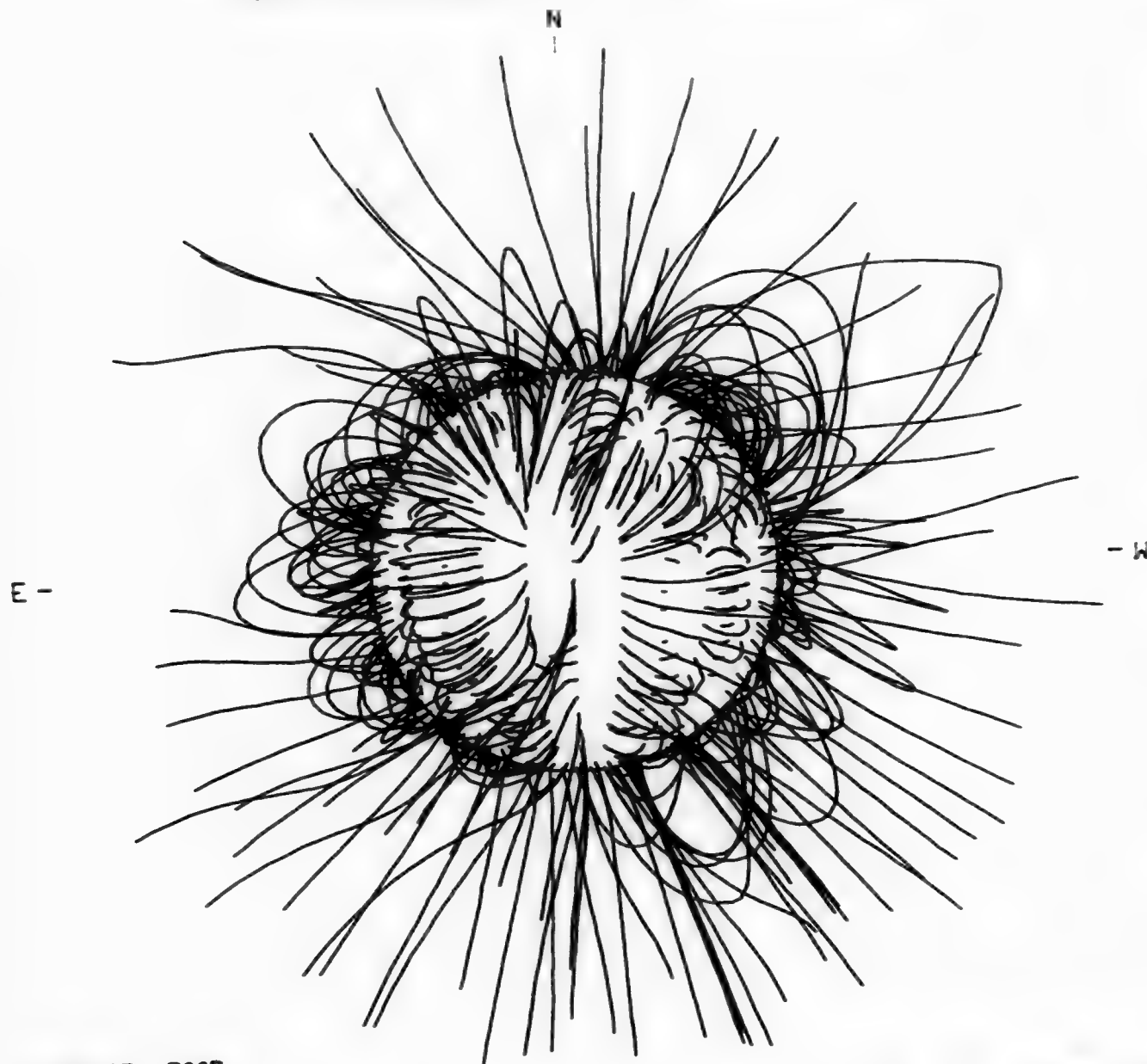


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
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ROT. 1458 LONG. 110°
18.8 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

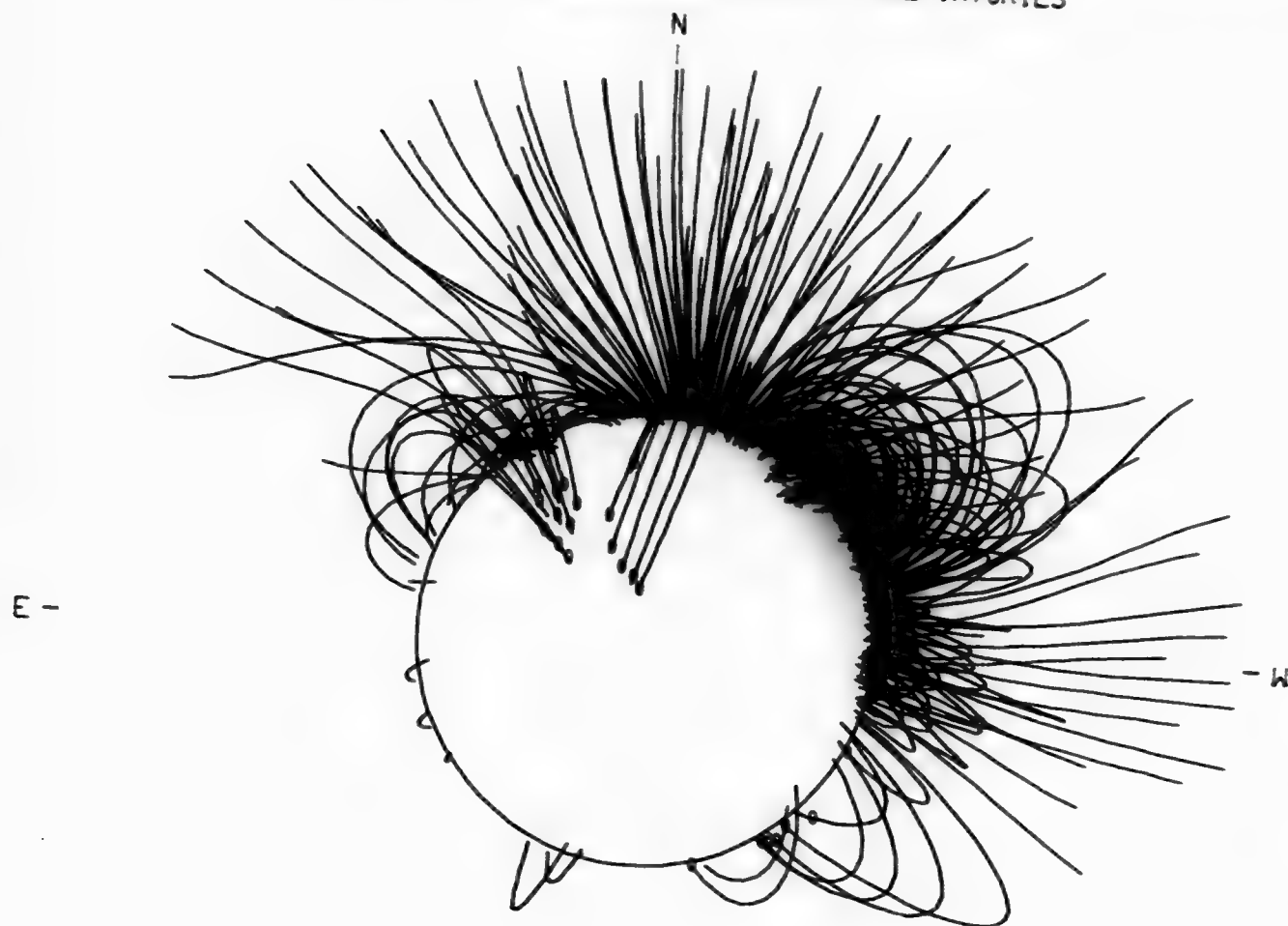


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
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ROT. 1458 LONG. 100°
19.5 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

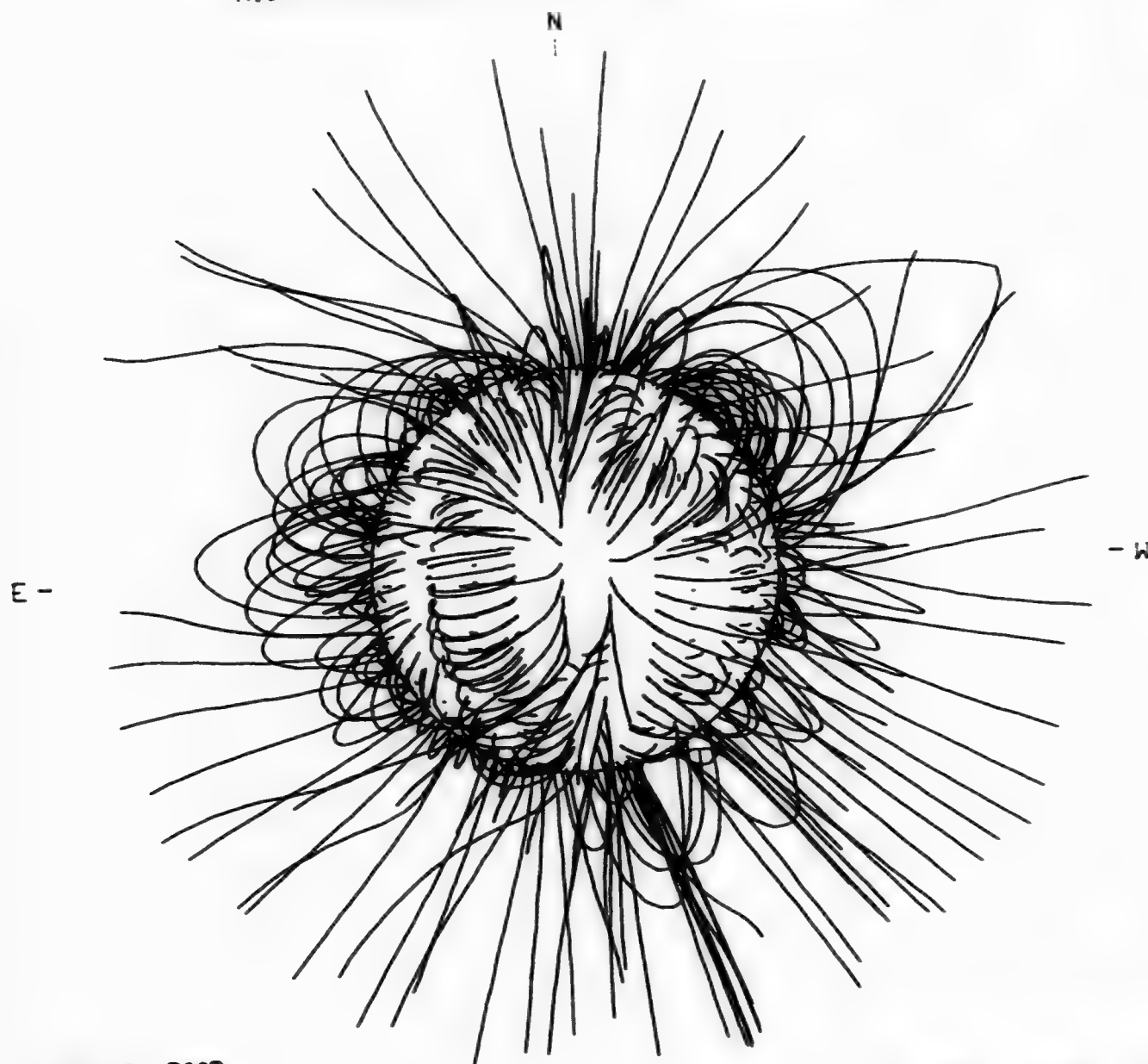


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
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ROT. 1458 LONG. 100°
19.5 SEP 1962

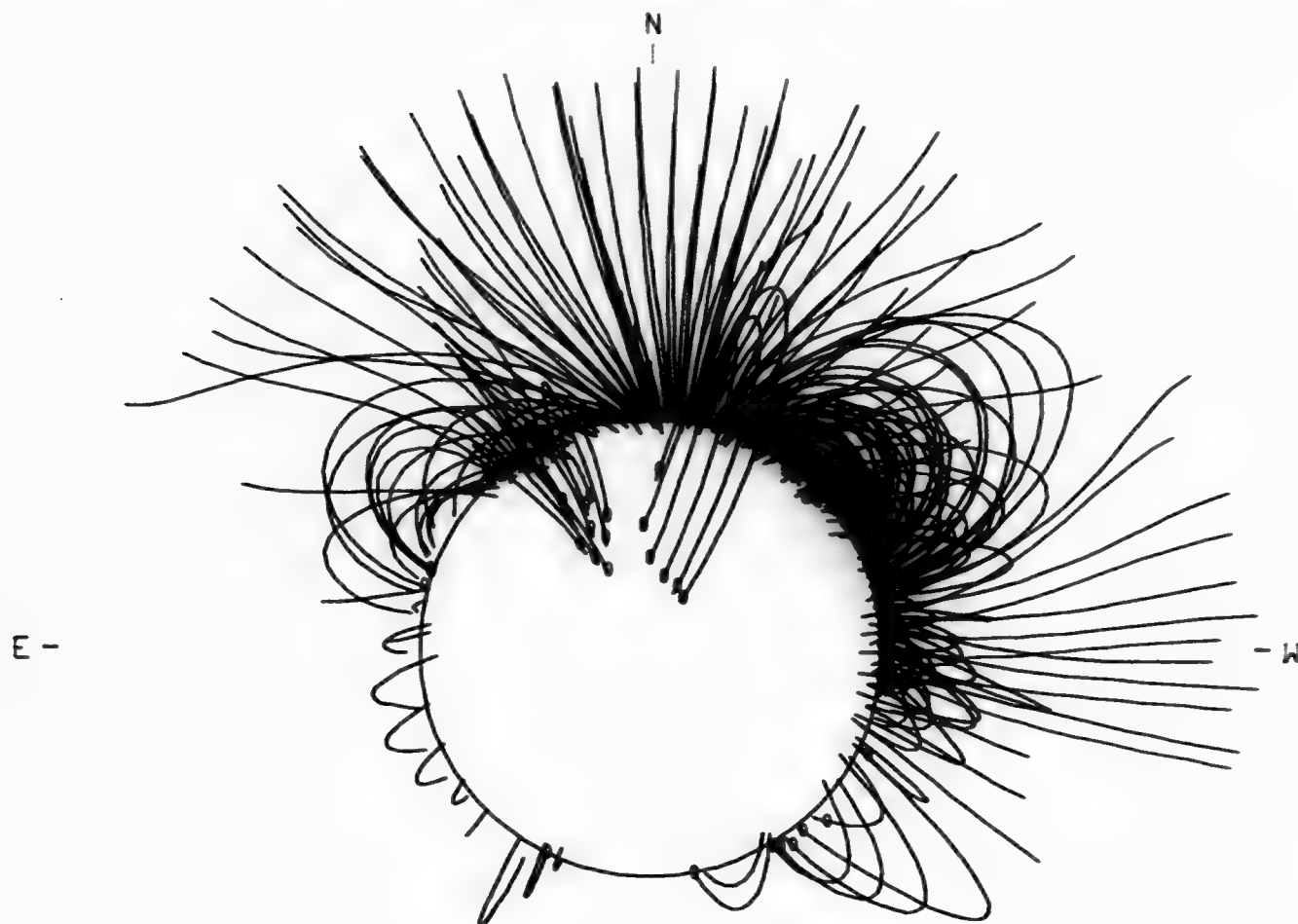
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

ROT. 1458 LONG. 90°
20.3 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

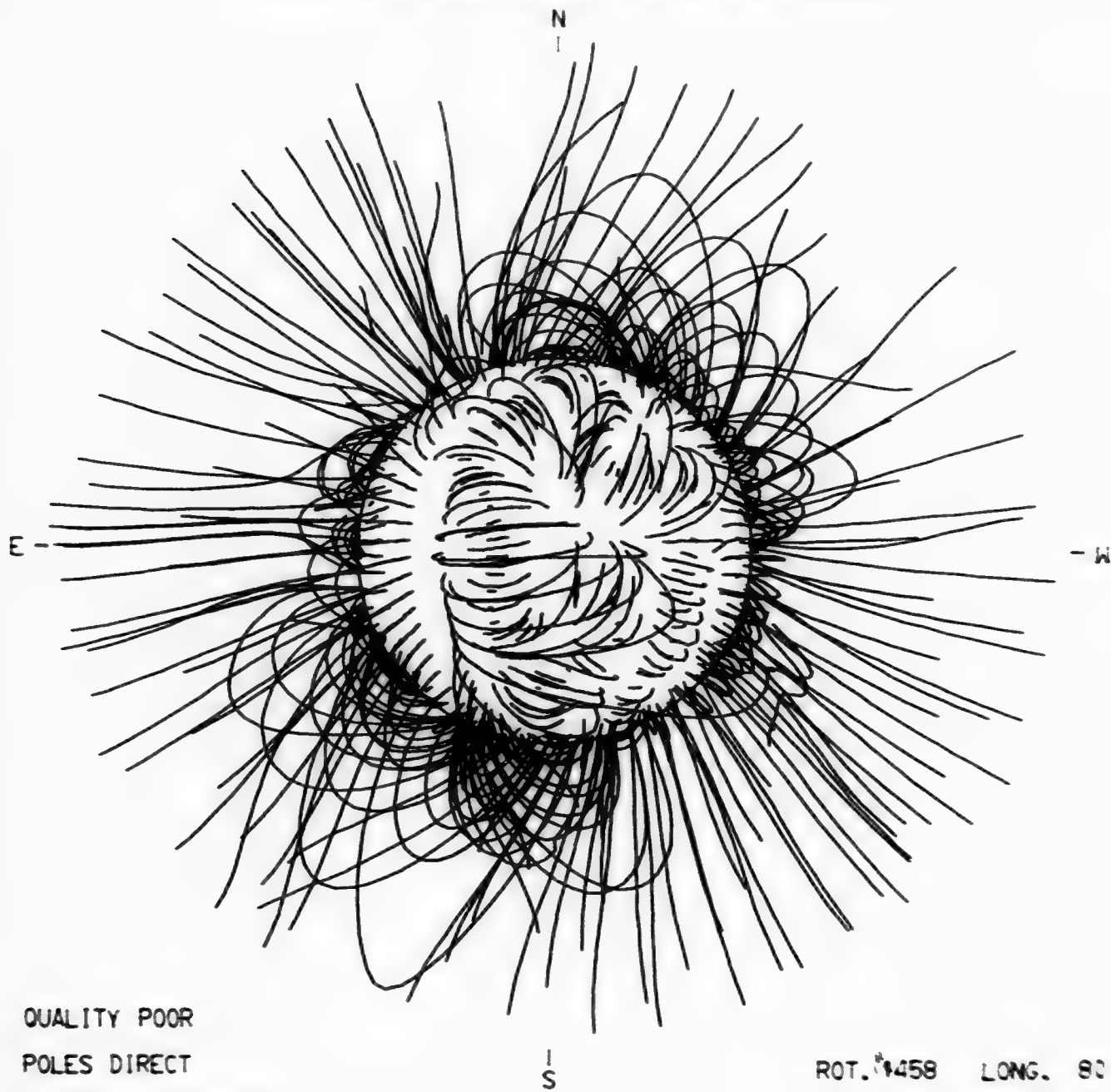


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.00

I
S

ROT. 1458 LONG. 90°
20.3 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



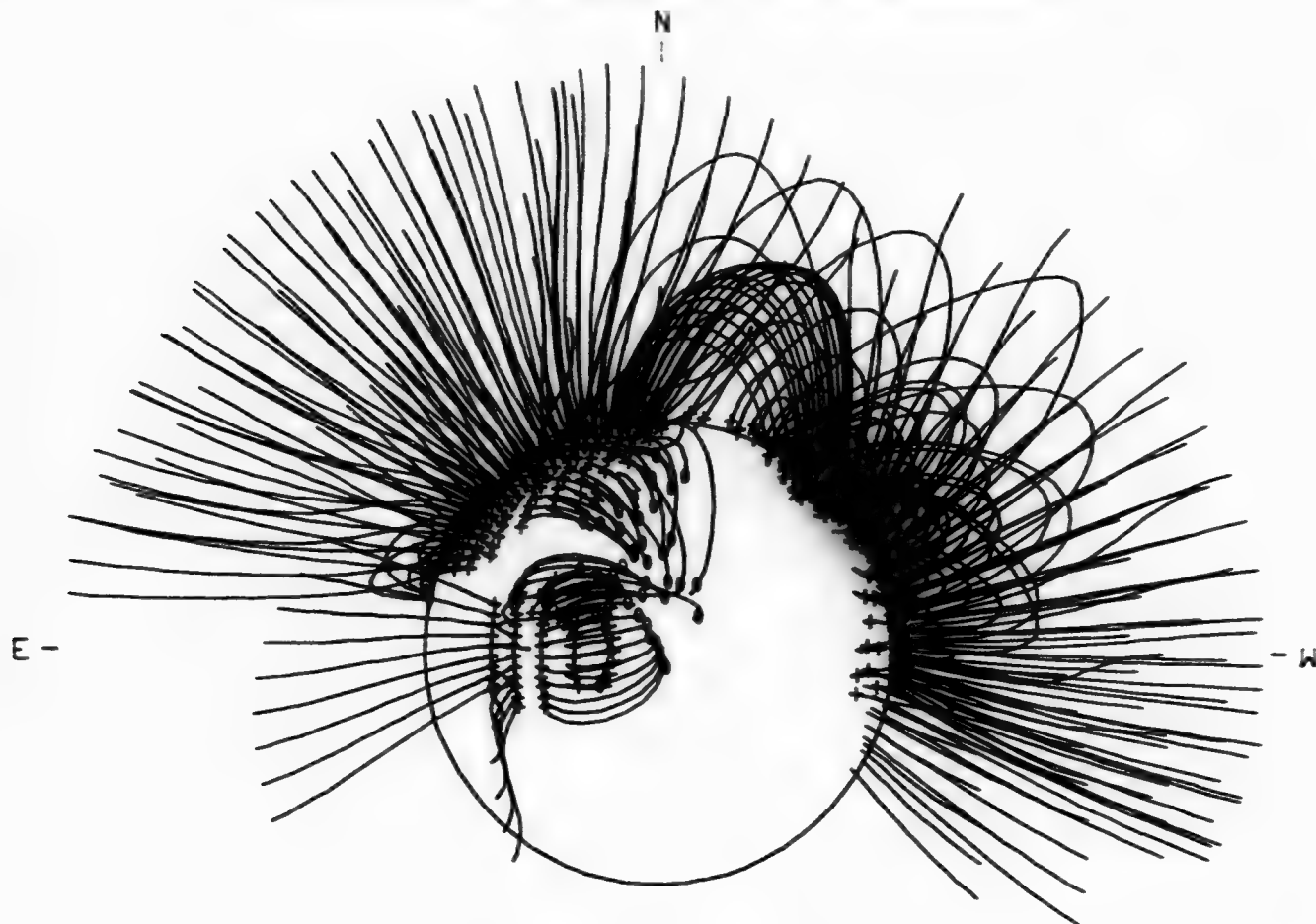
QUALITY POOR

POLES DIRECT

DATA WINDOW 1458.47

ROT. 1458 LONG. 80°
21.0 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

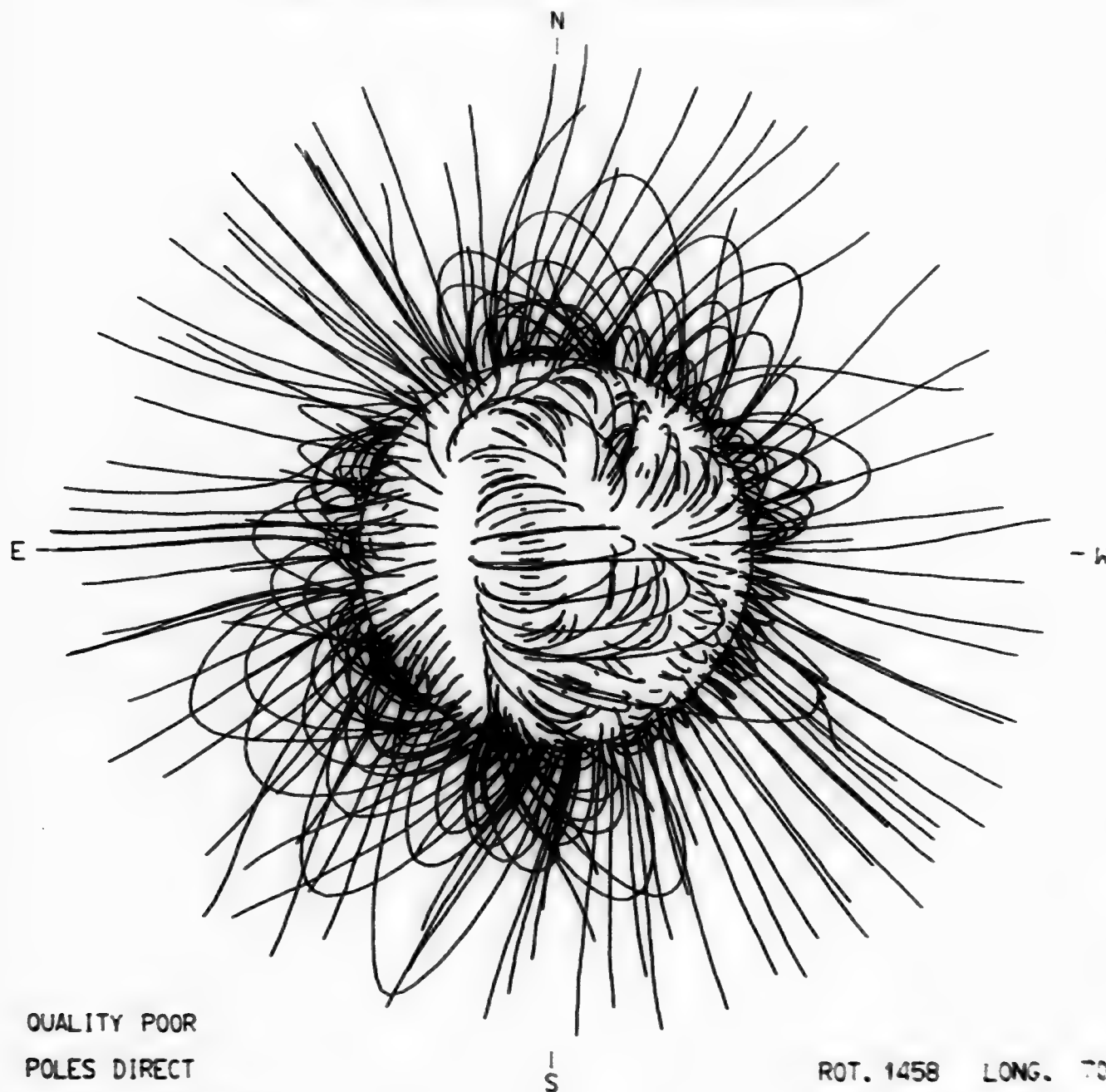


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1458 LONG. 80°
21.0 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

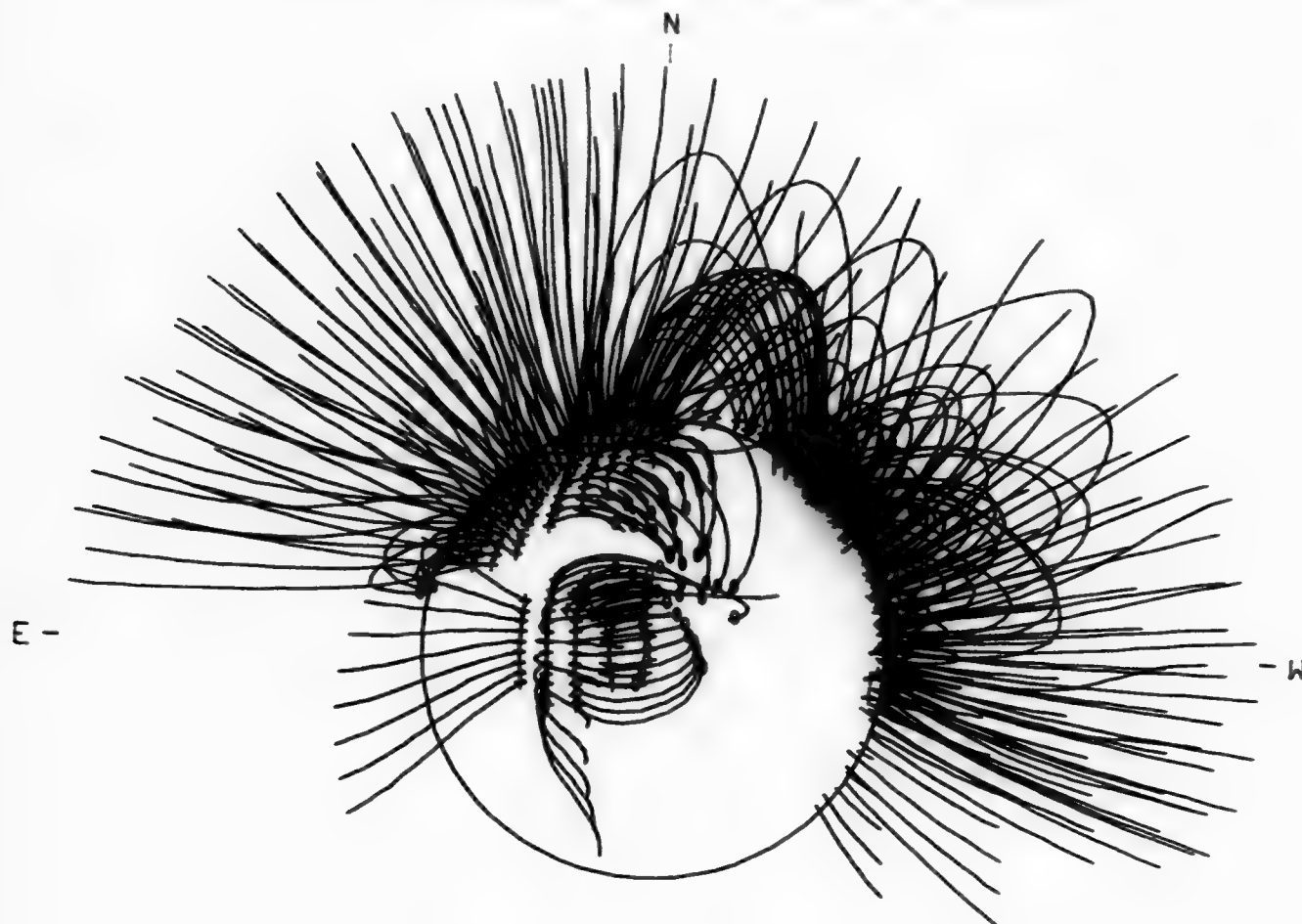
POLES DIRECT

DATA WINDOW 1458.47

ROT. 1458 LONG. 70°

21.8 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

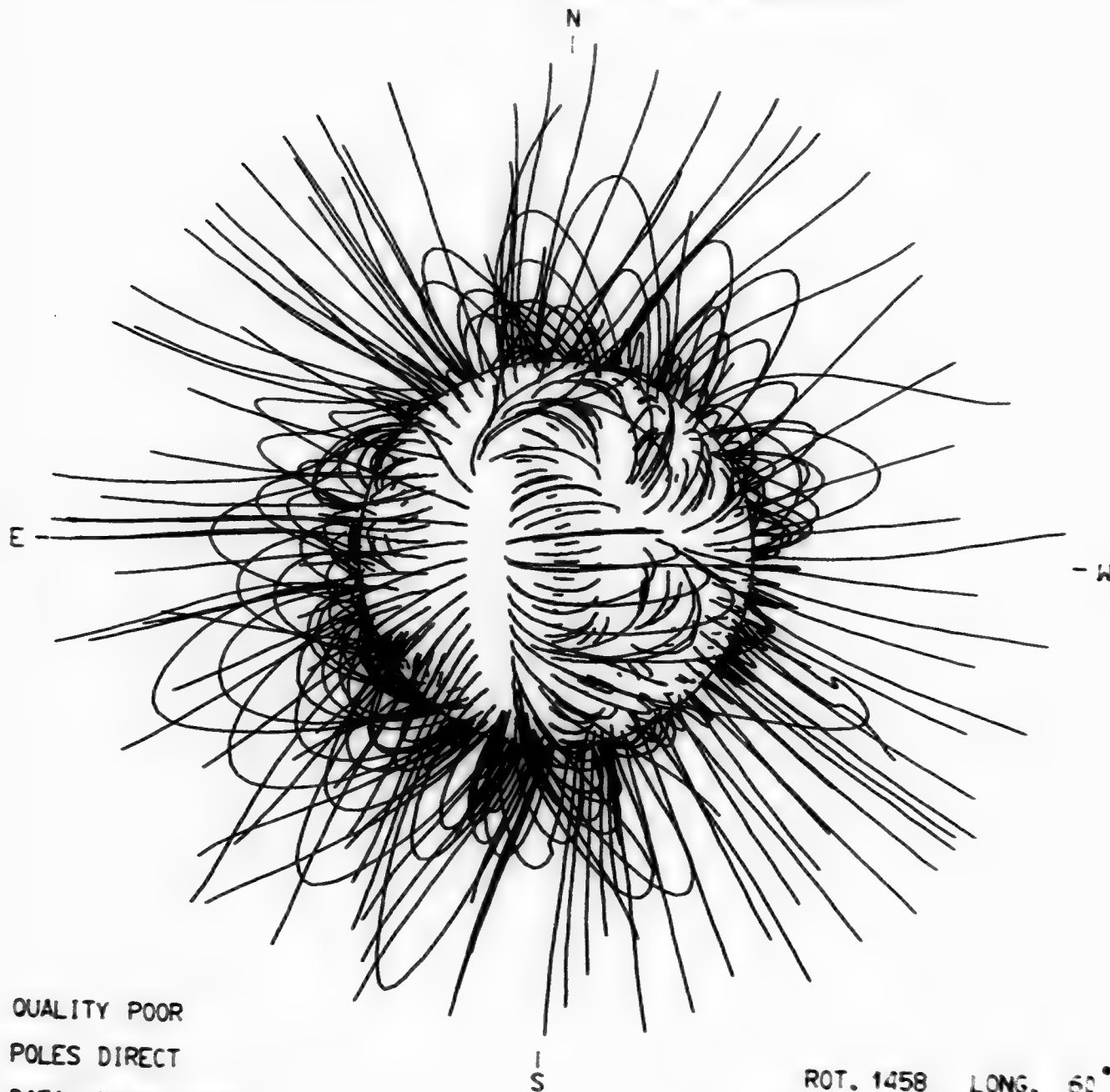


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1458 LONG. 70°
21.8 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



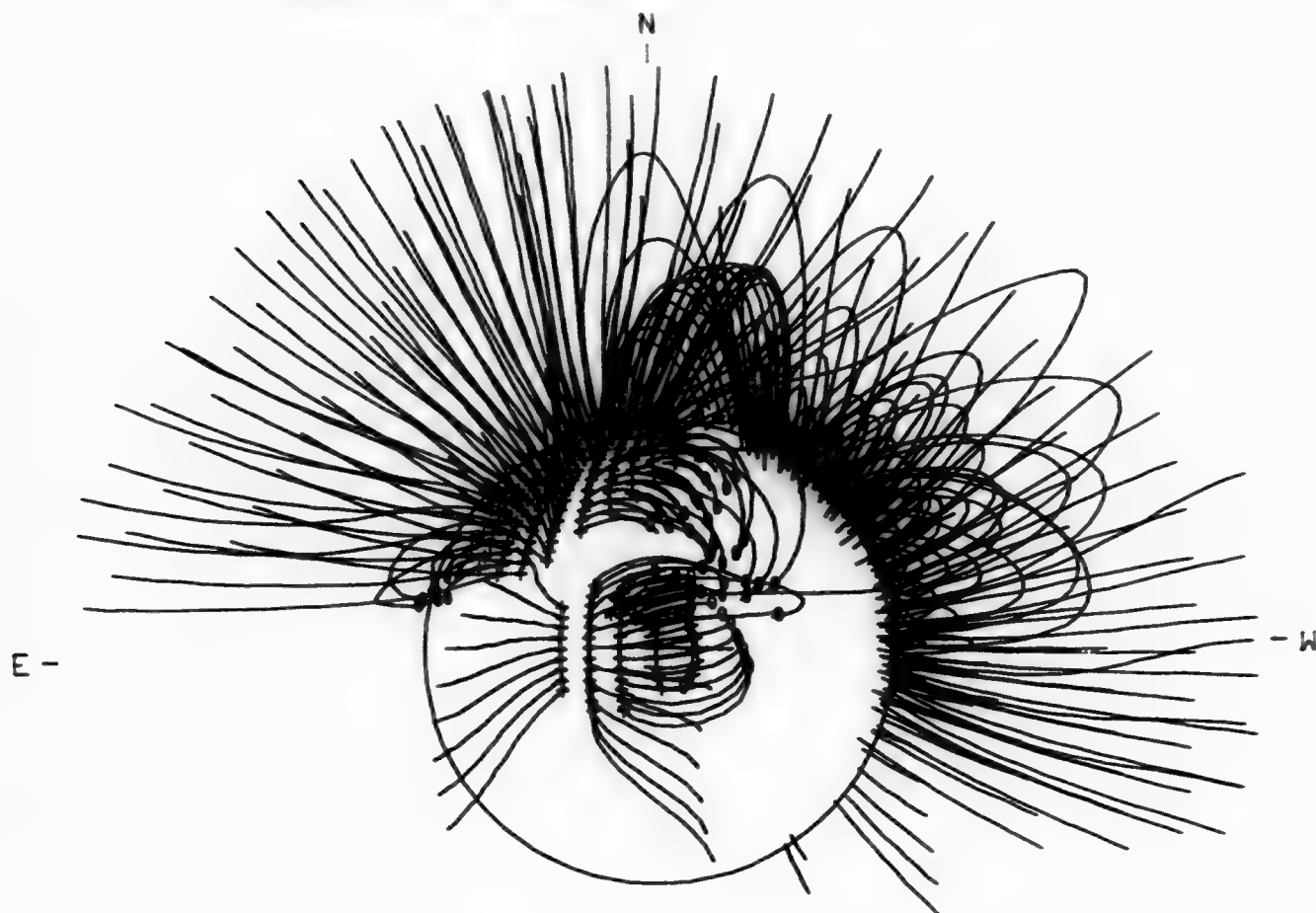
QUALITY POOR

POLES DIRECT

DATA WINDOW 1458.47

ROT. 1458 LONG. 60°
22.6 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

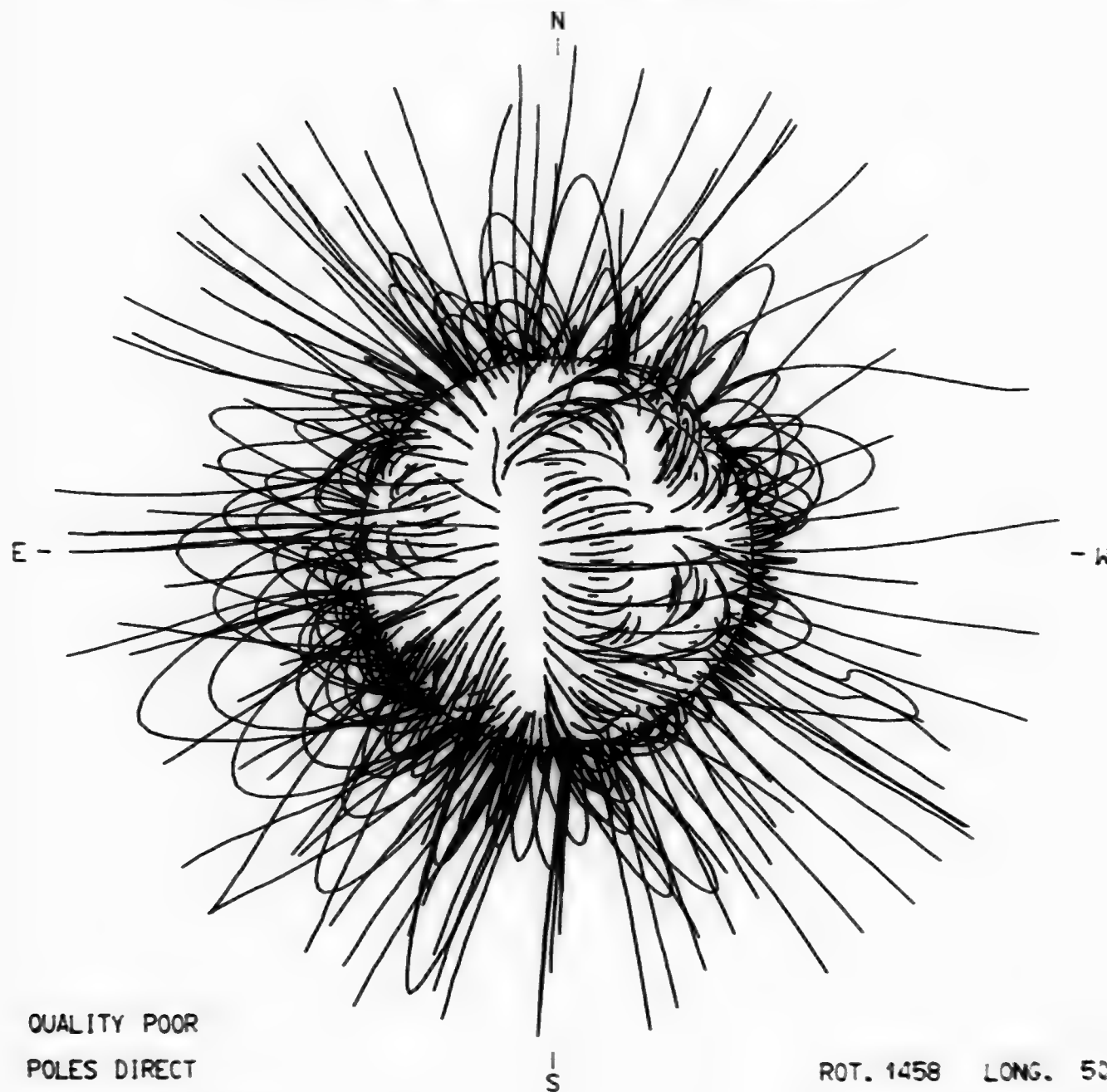


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1458 LONG. 60°
22.6 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

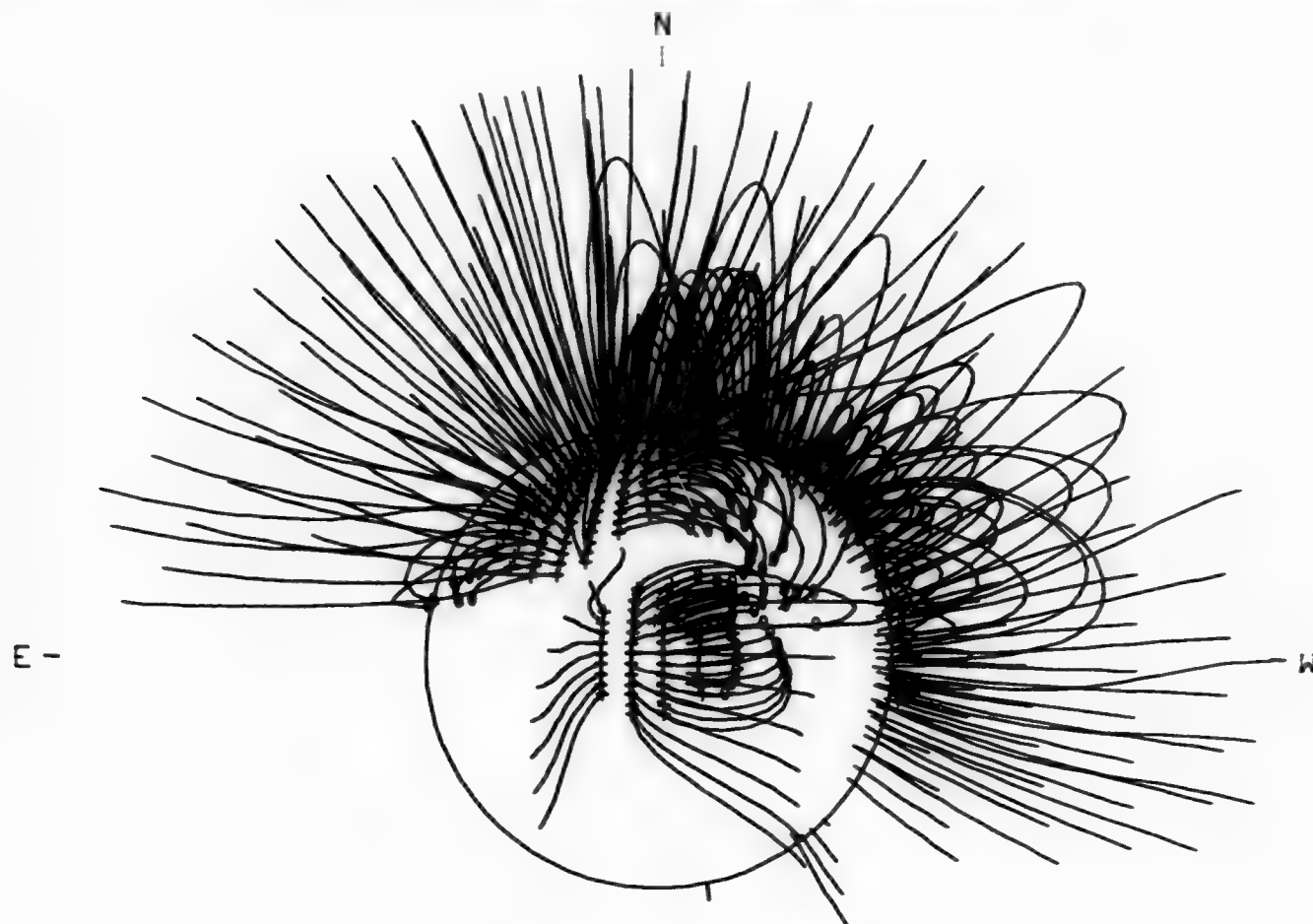
DATA WINDOW 1458.47

S

ROT. 1458 LONG. 50°

23.3 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

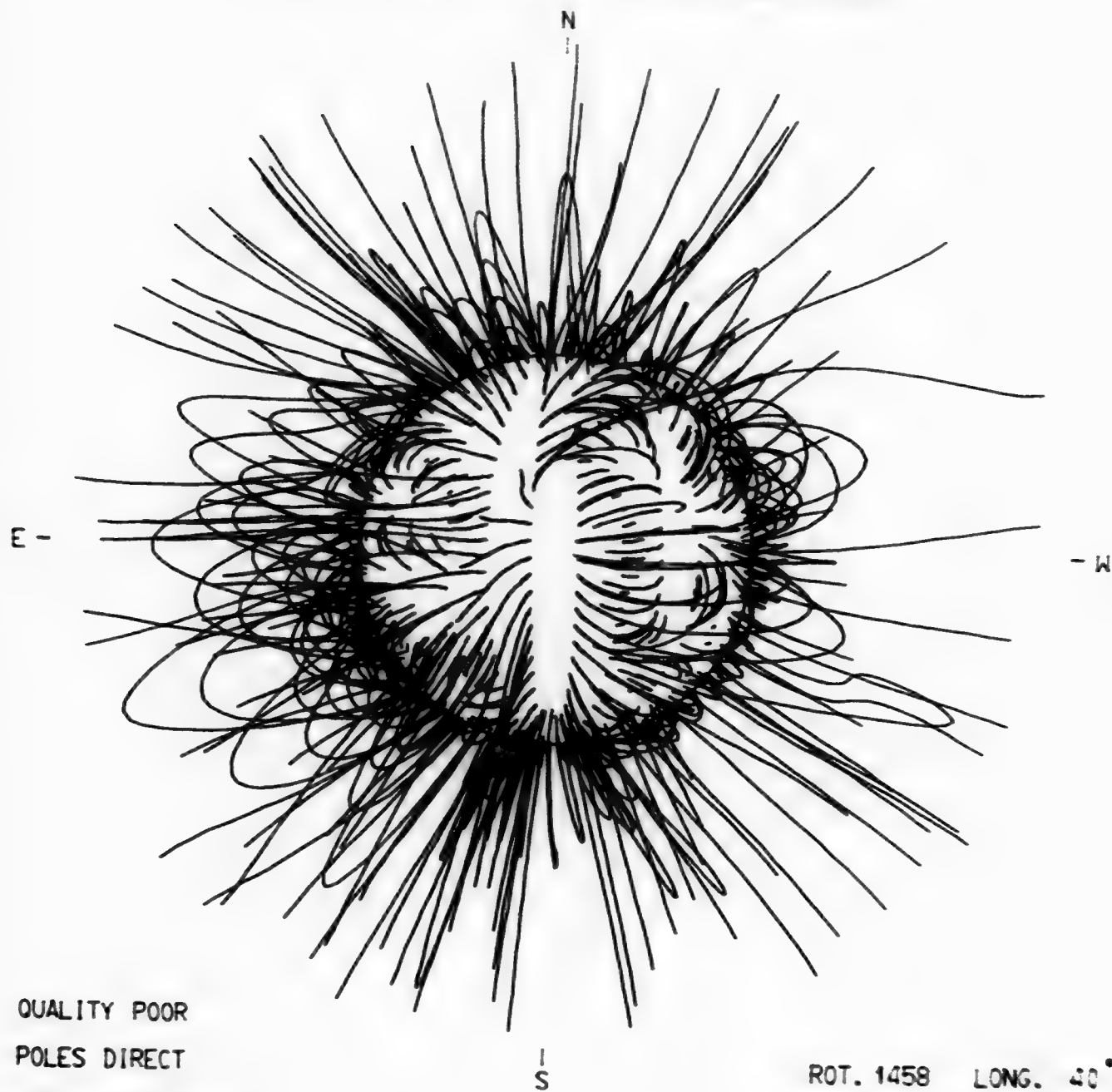


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1458 LONG. 50°
23.3 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

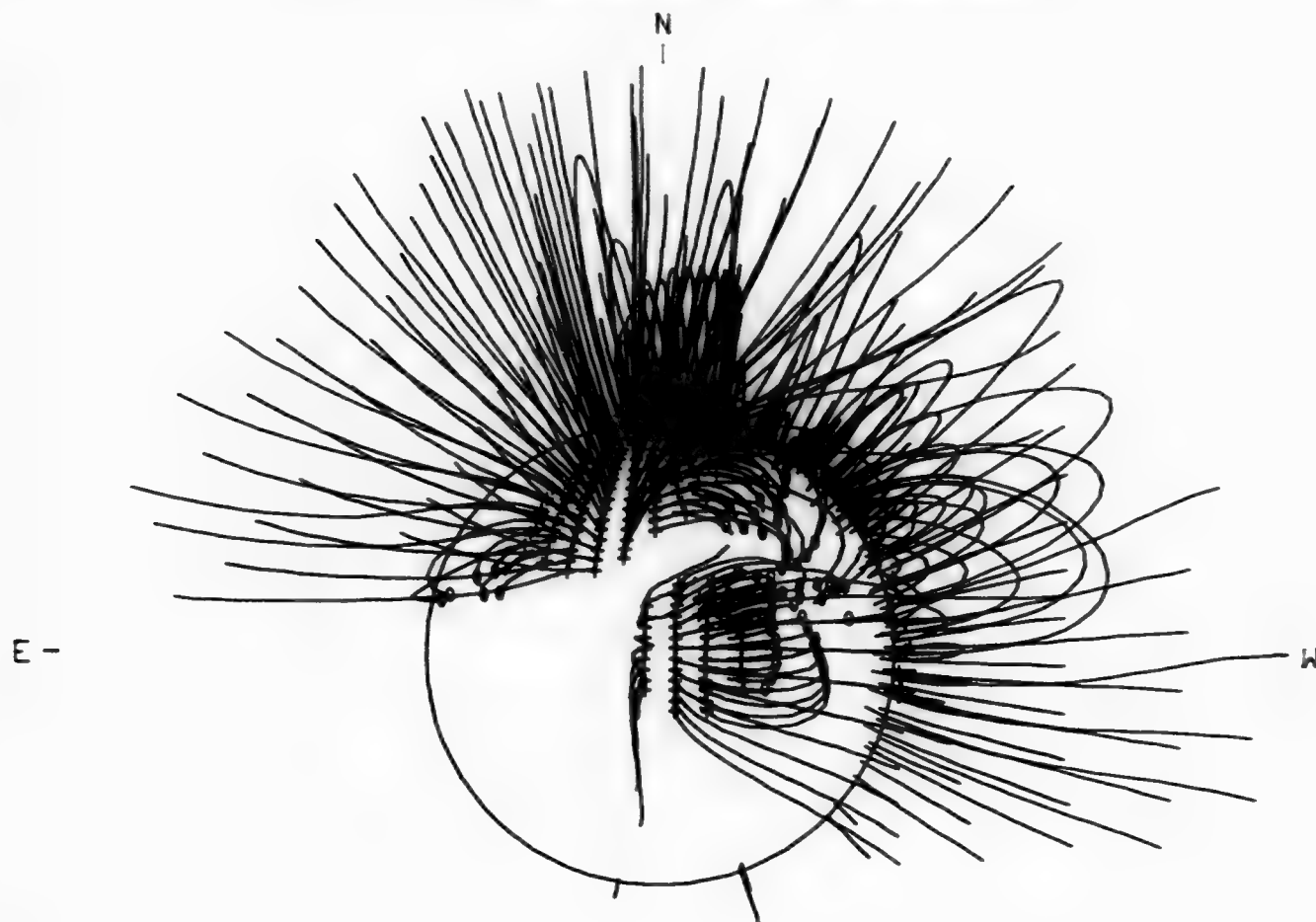
POLES DIRECT

DATA WINDOW 1458.47

ROT. 1458 LONG. 40°

24.1 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

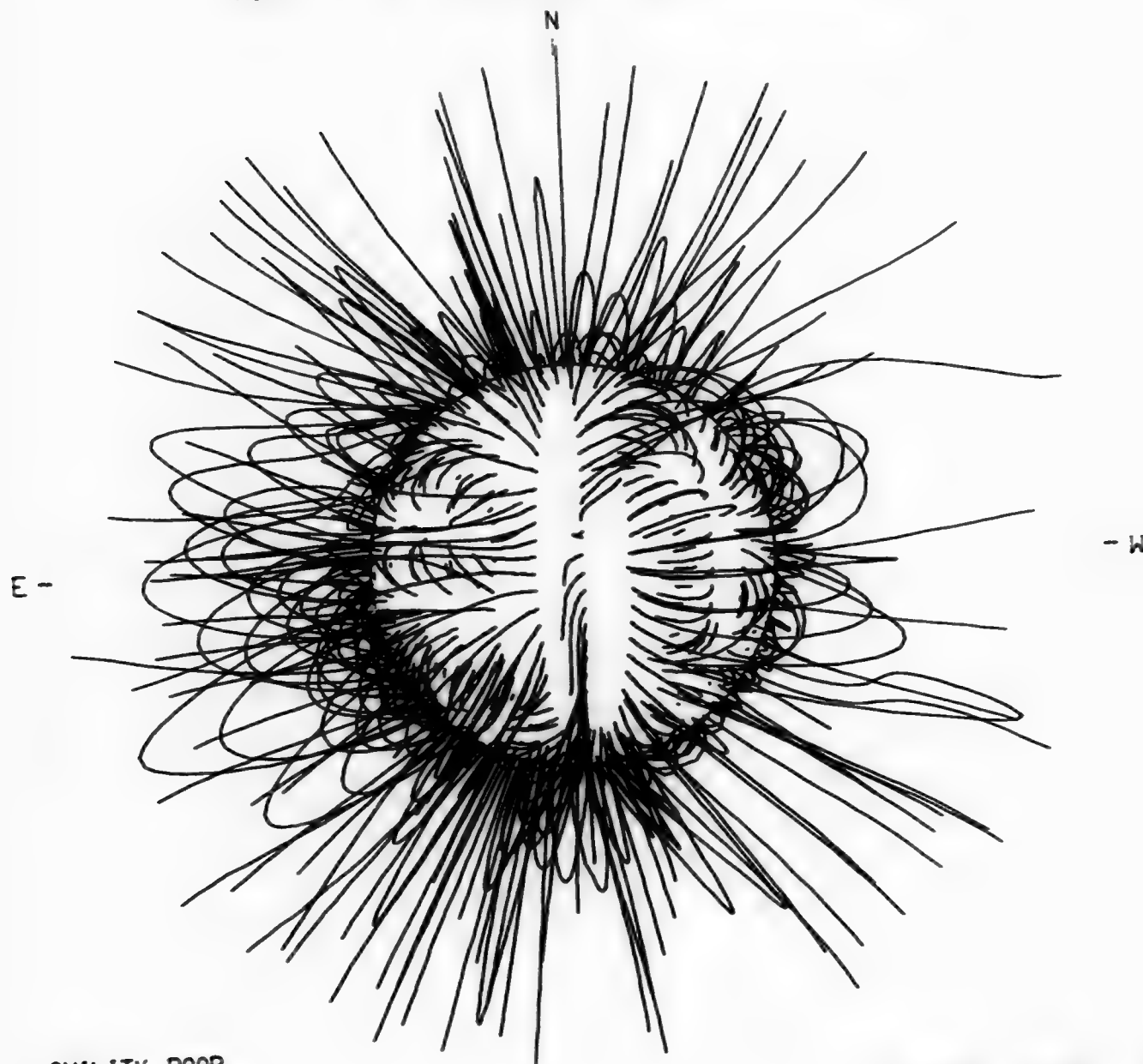


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1458 LONG. 40°
24.1 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

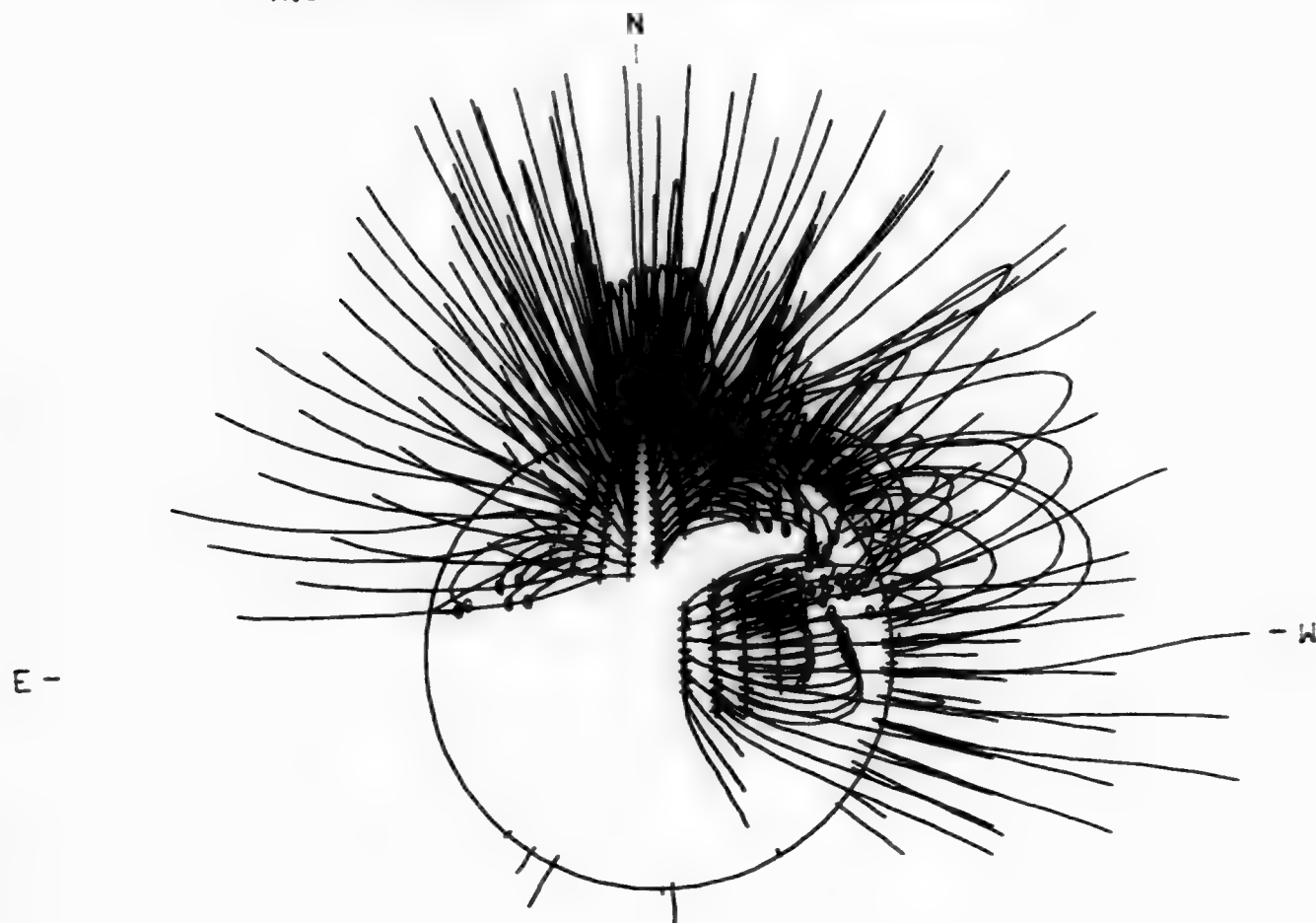


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1458 LONG. 30°
24.8 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

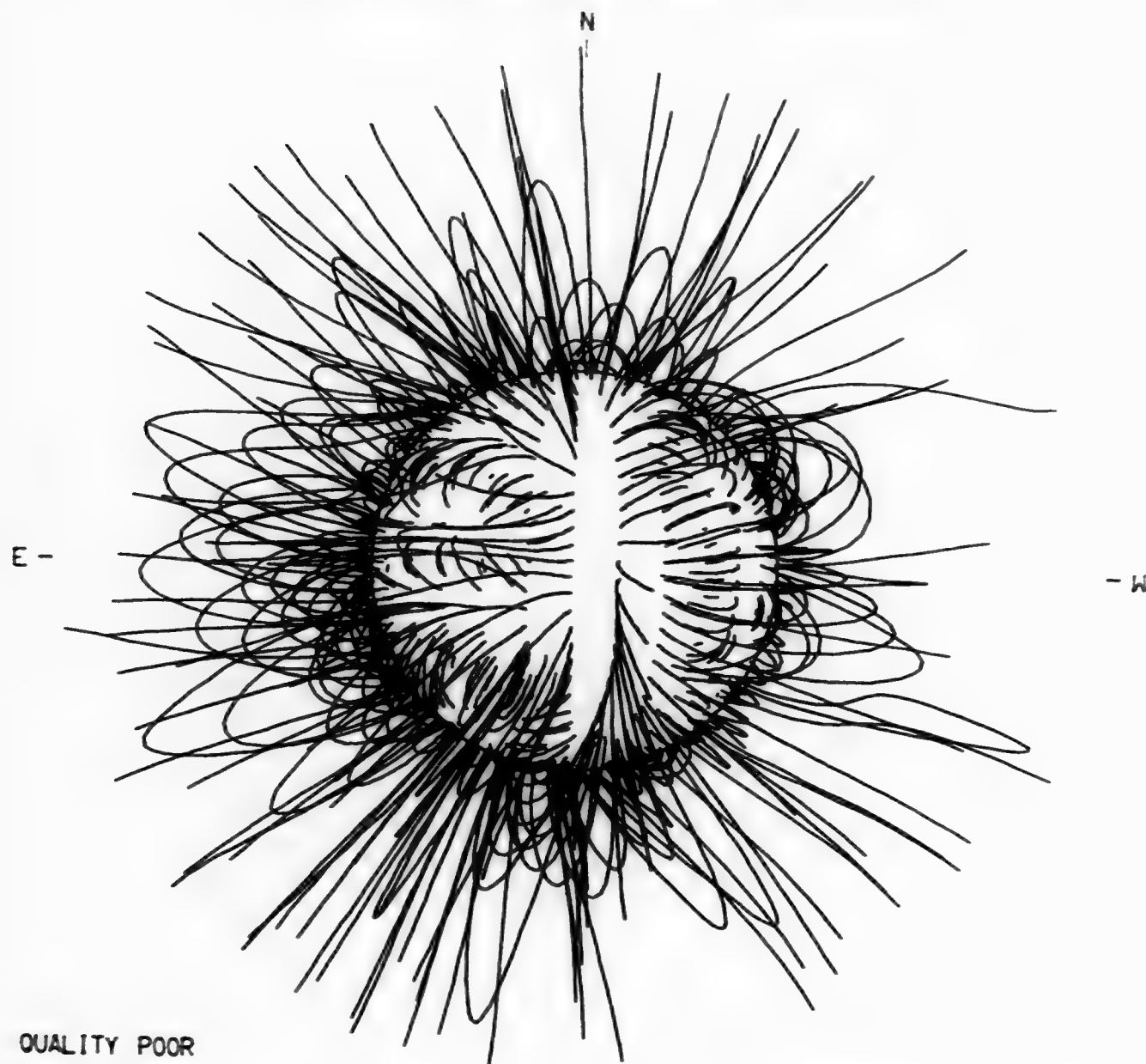


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1458 LONG. 30°
24.8 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

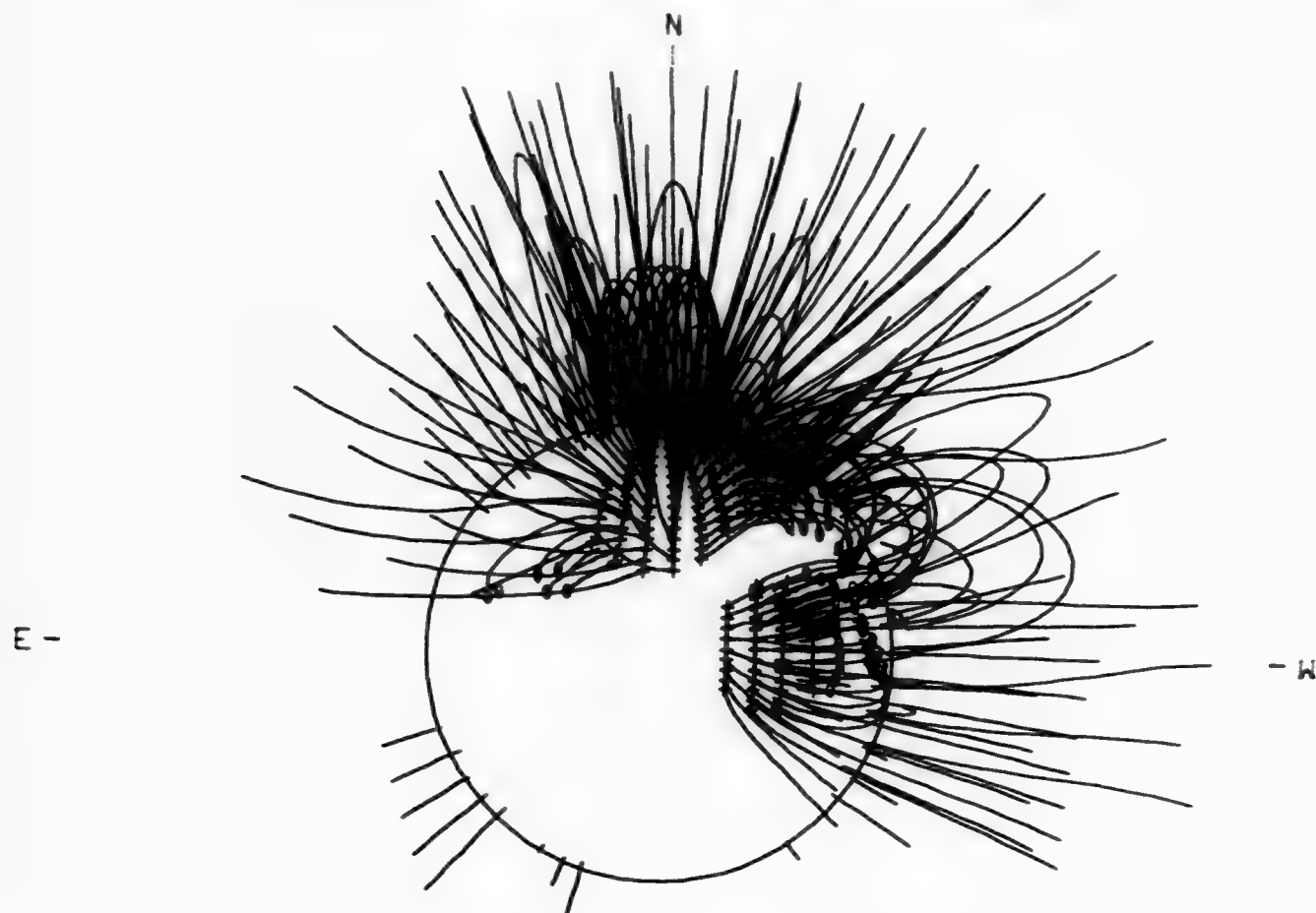
DATA WINDOW 1458.47

I
S

ROT. 1458 LONG. 20°

25.6 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

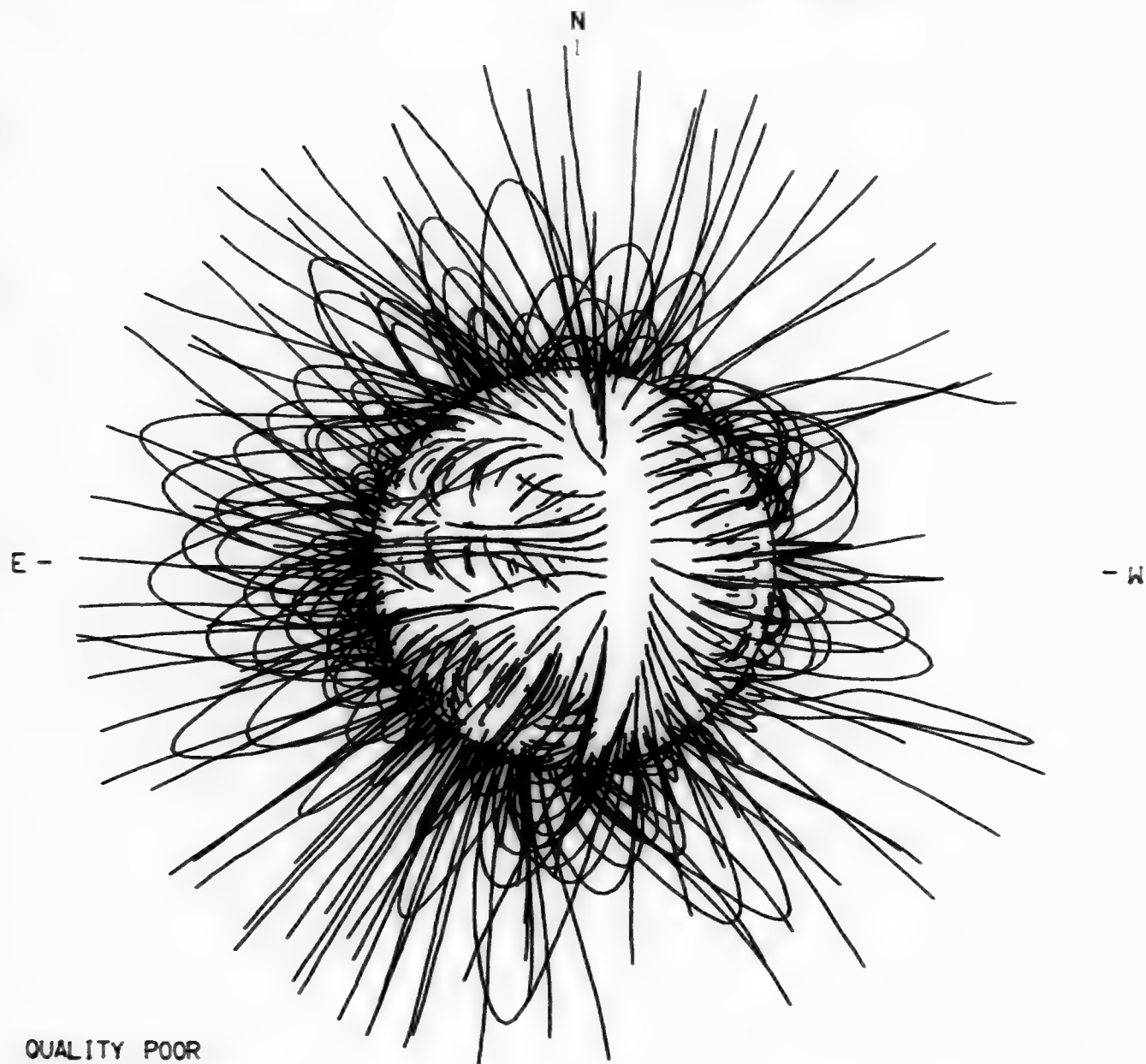
DATA WINDOW 1458.47

I
S

ROT. 1458 LONG. 20°

25.6 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

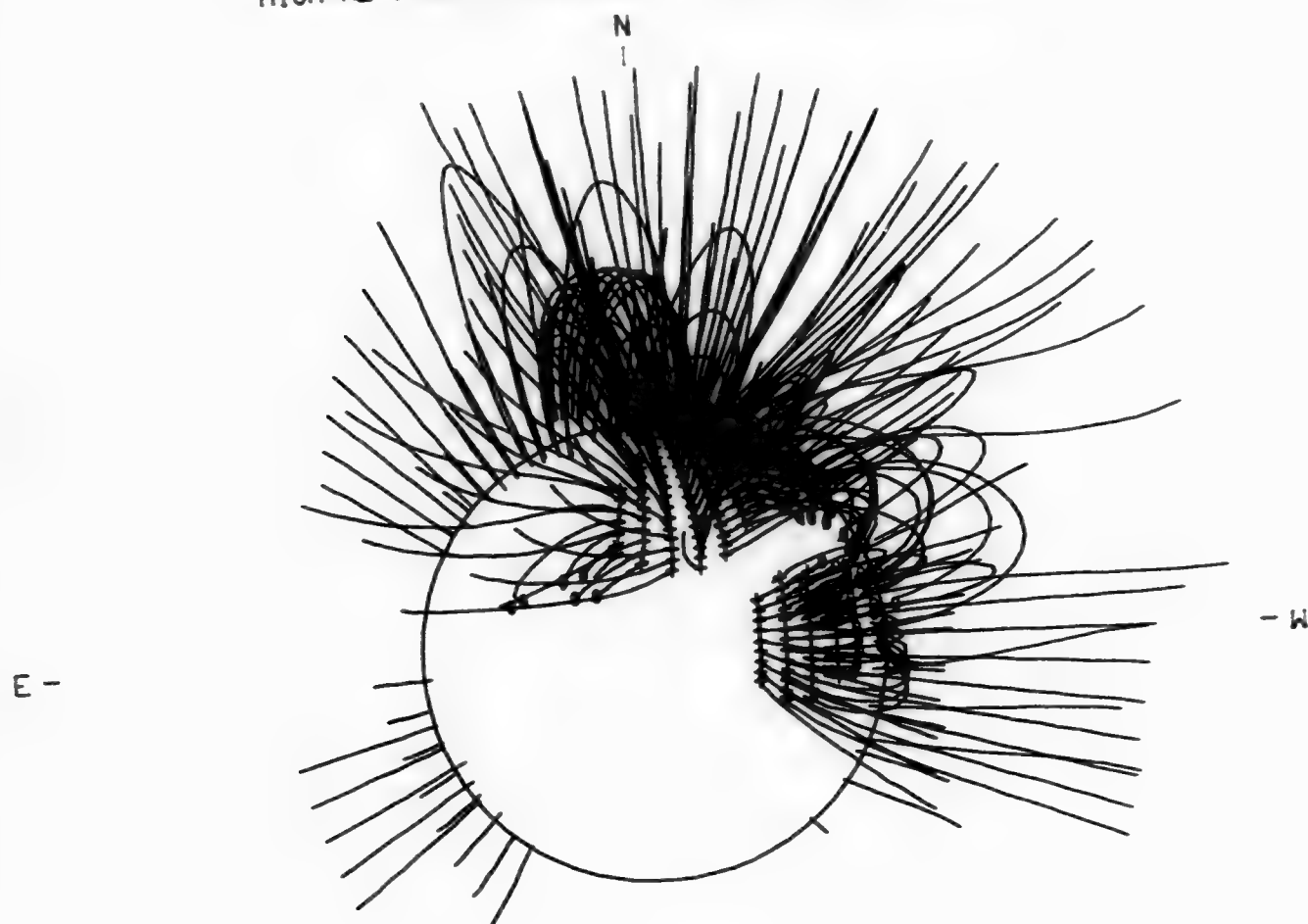
DATA WINDOW 1458.47

S

ROT. 1458 LONG. 10°

26.4 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

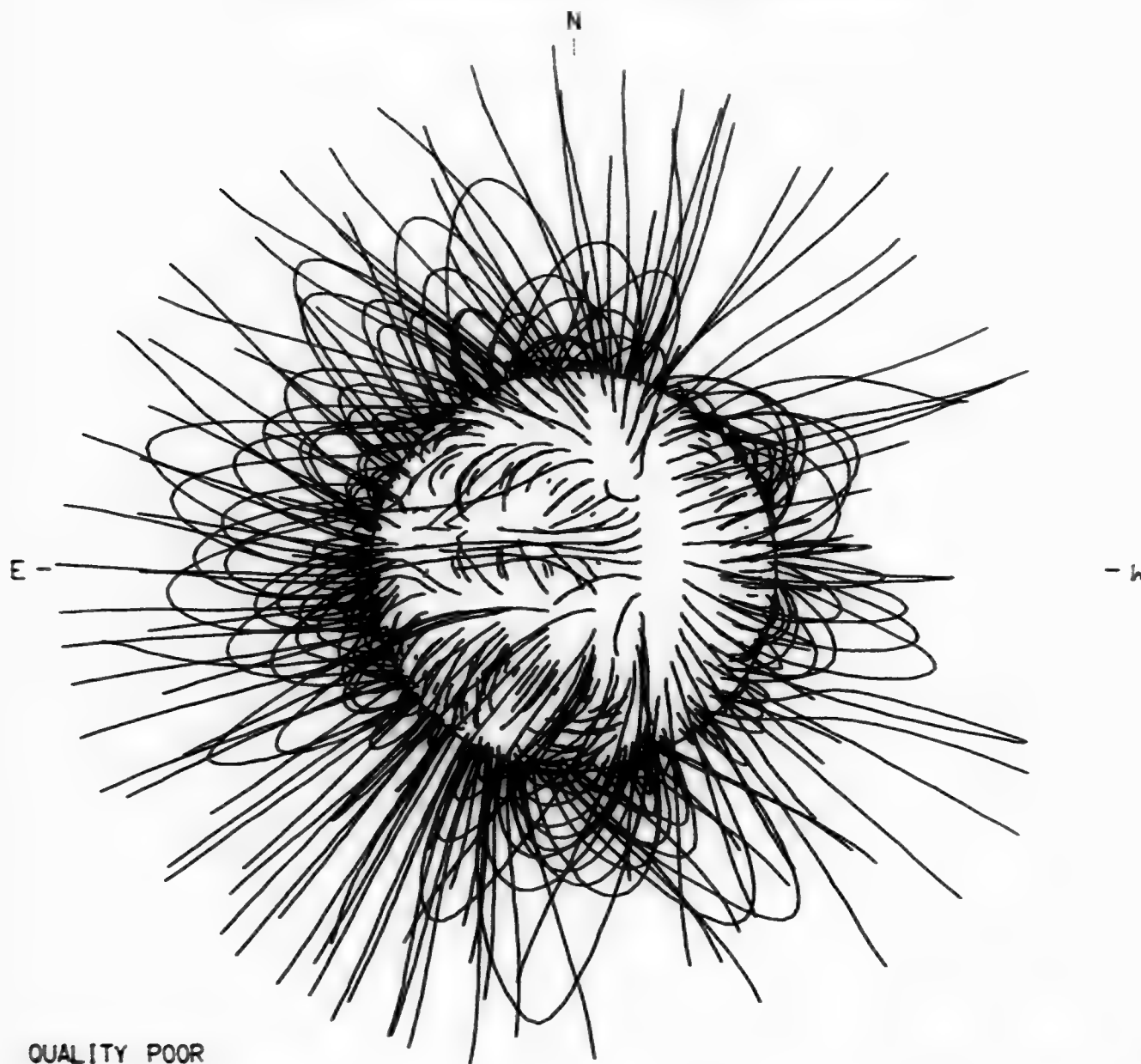


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1458 LONG. 10°
26.4 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1458.47

I
S

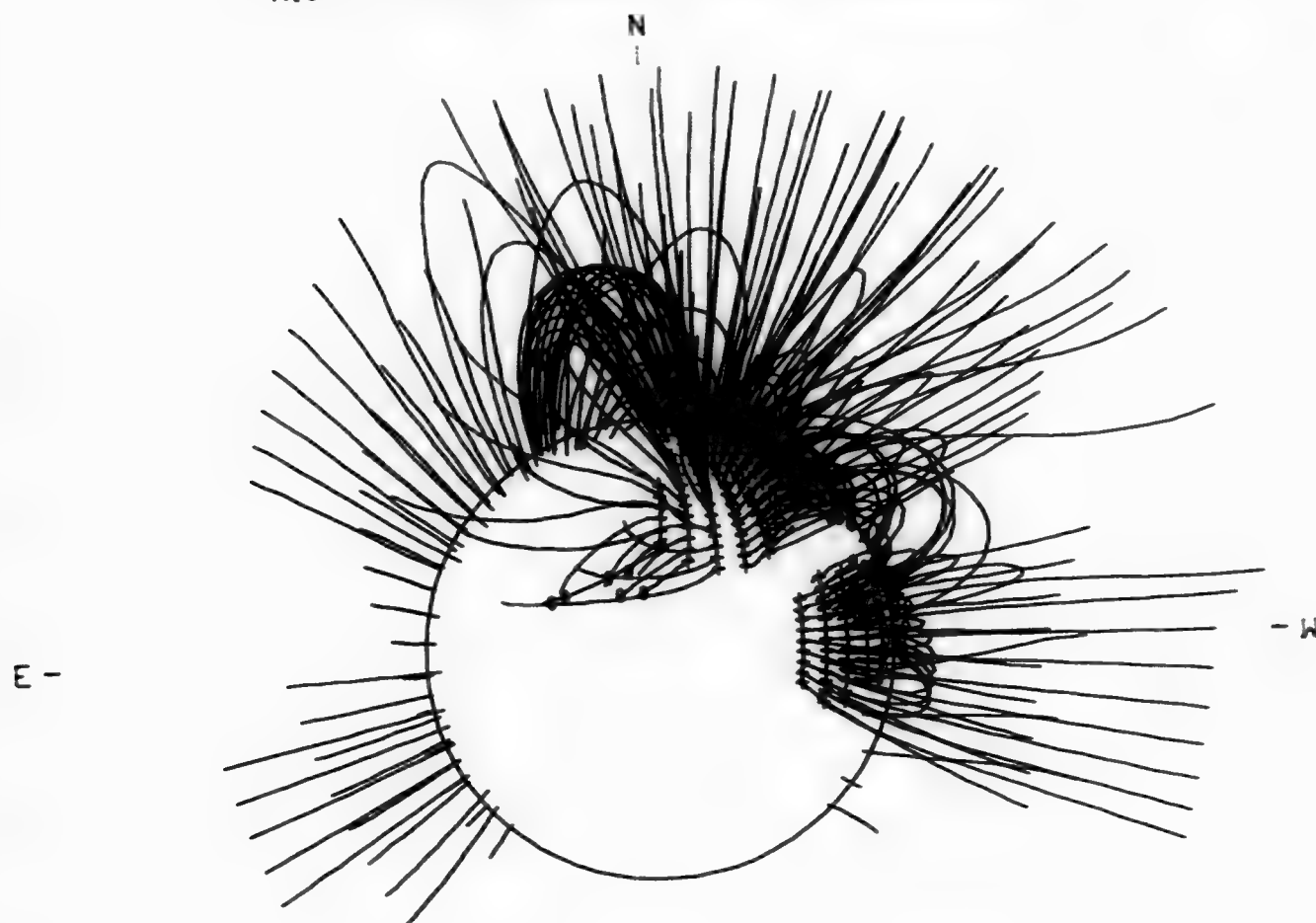
ROT. 1458

LONG.

3°

27.1 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

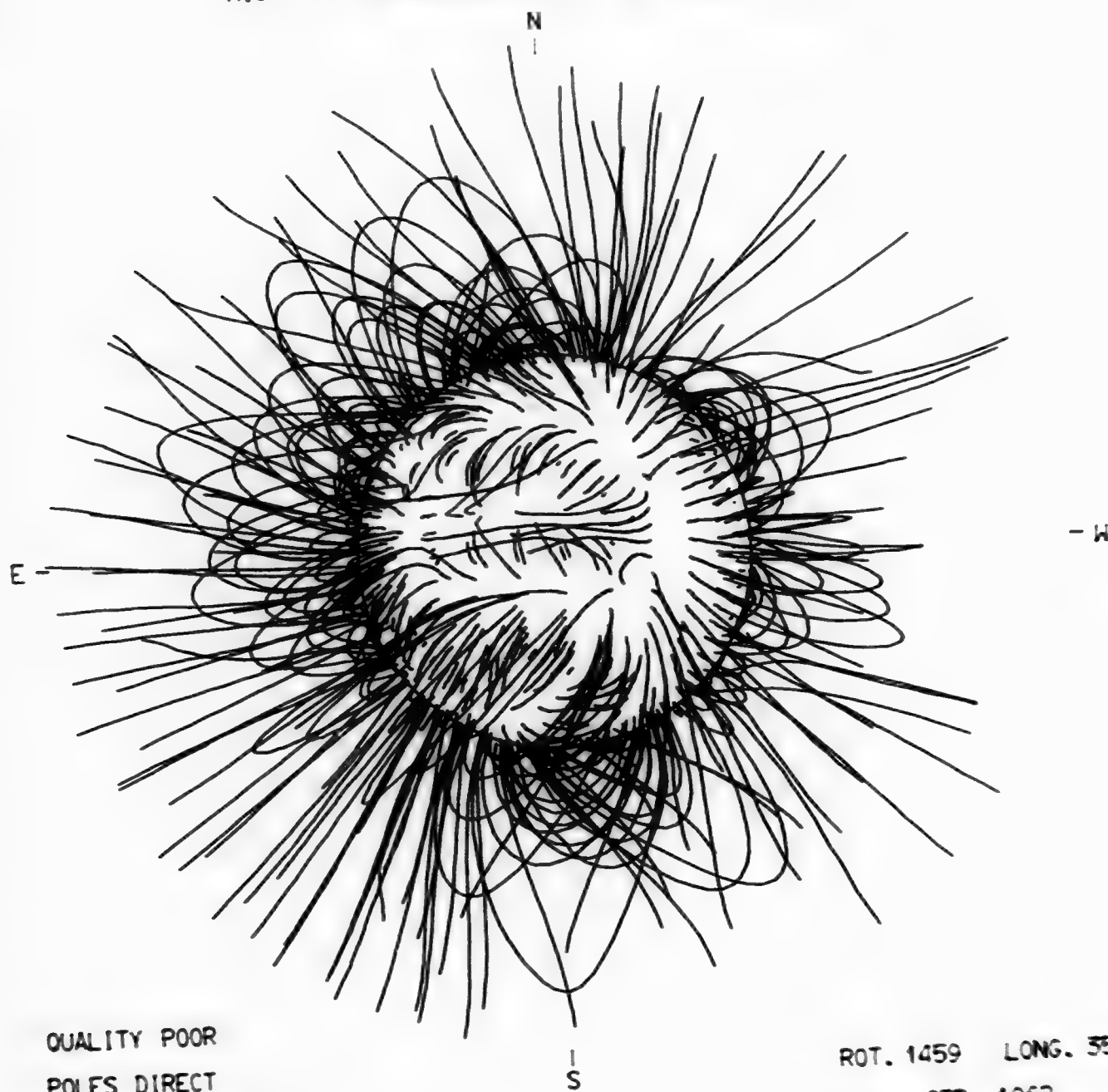


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1458 LONG. 3°
27.1 SEP 1962

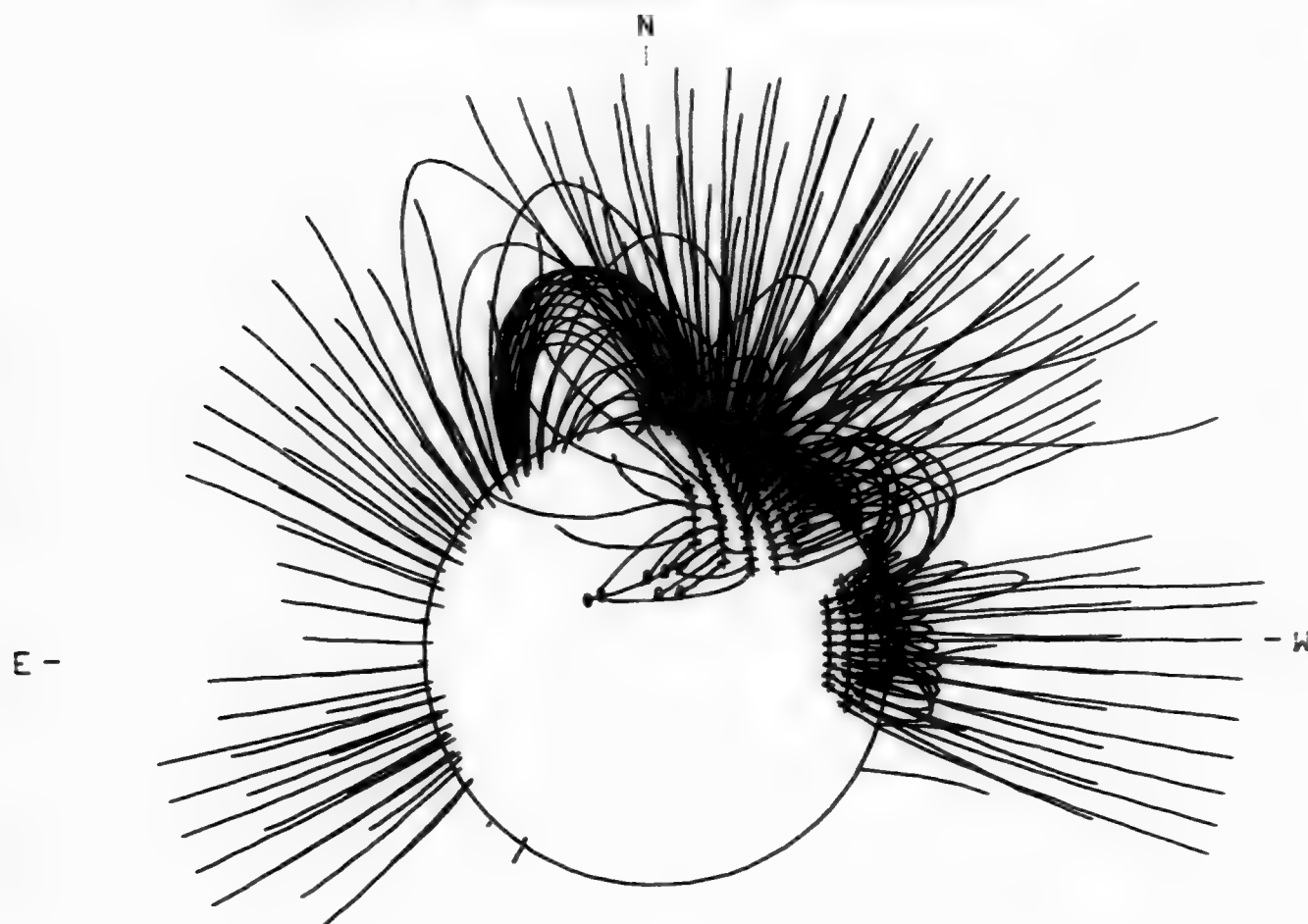
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

ROT. 1459 LONG. 350°
27.9 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

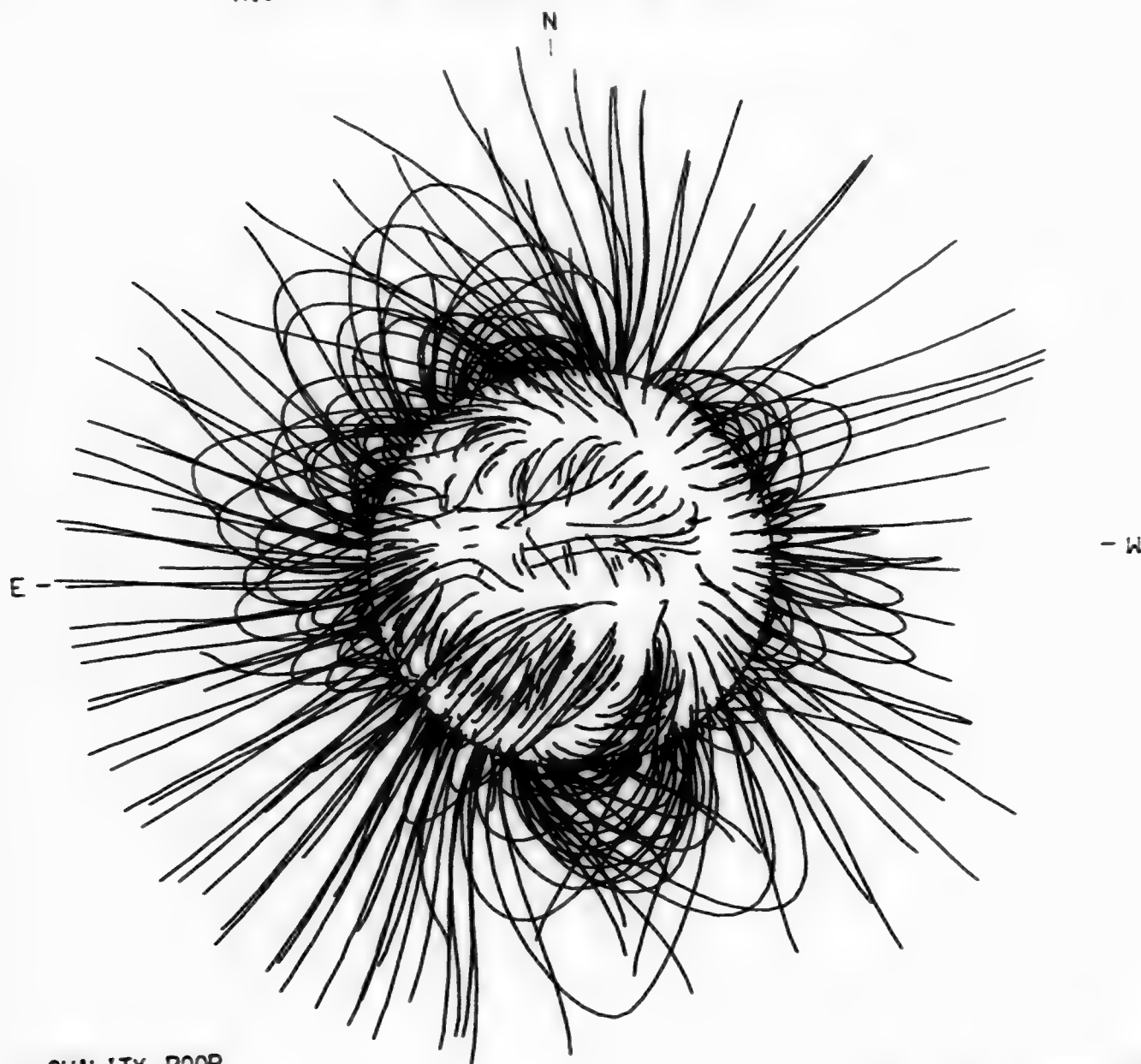


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 350°
27.9 SEP 1962

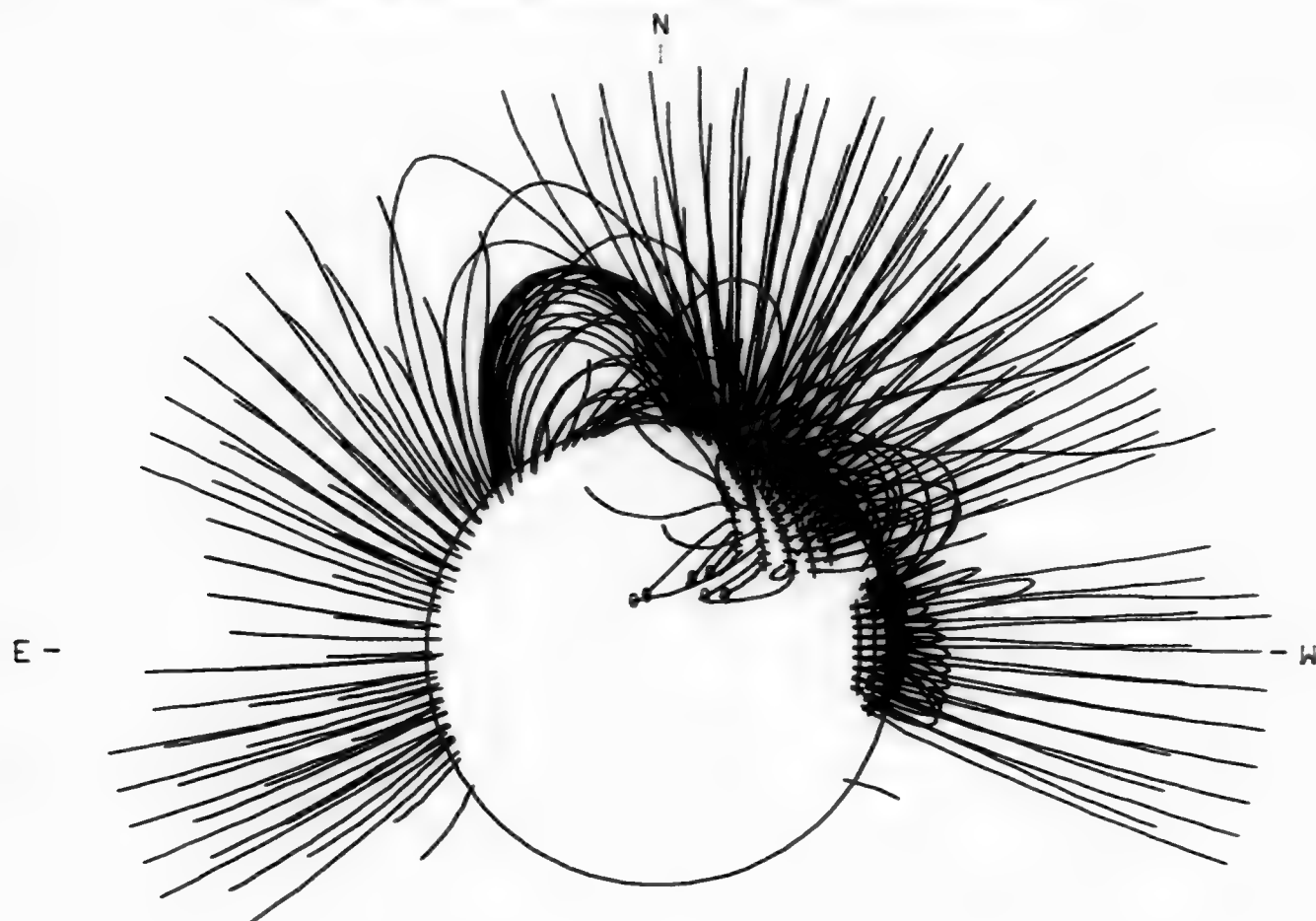
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

ROT. 1459 LONG. 320°
28.6 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

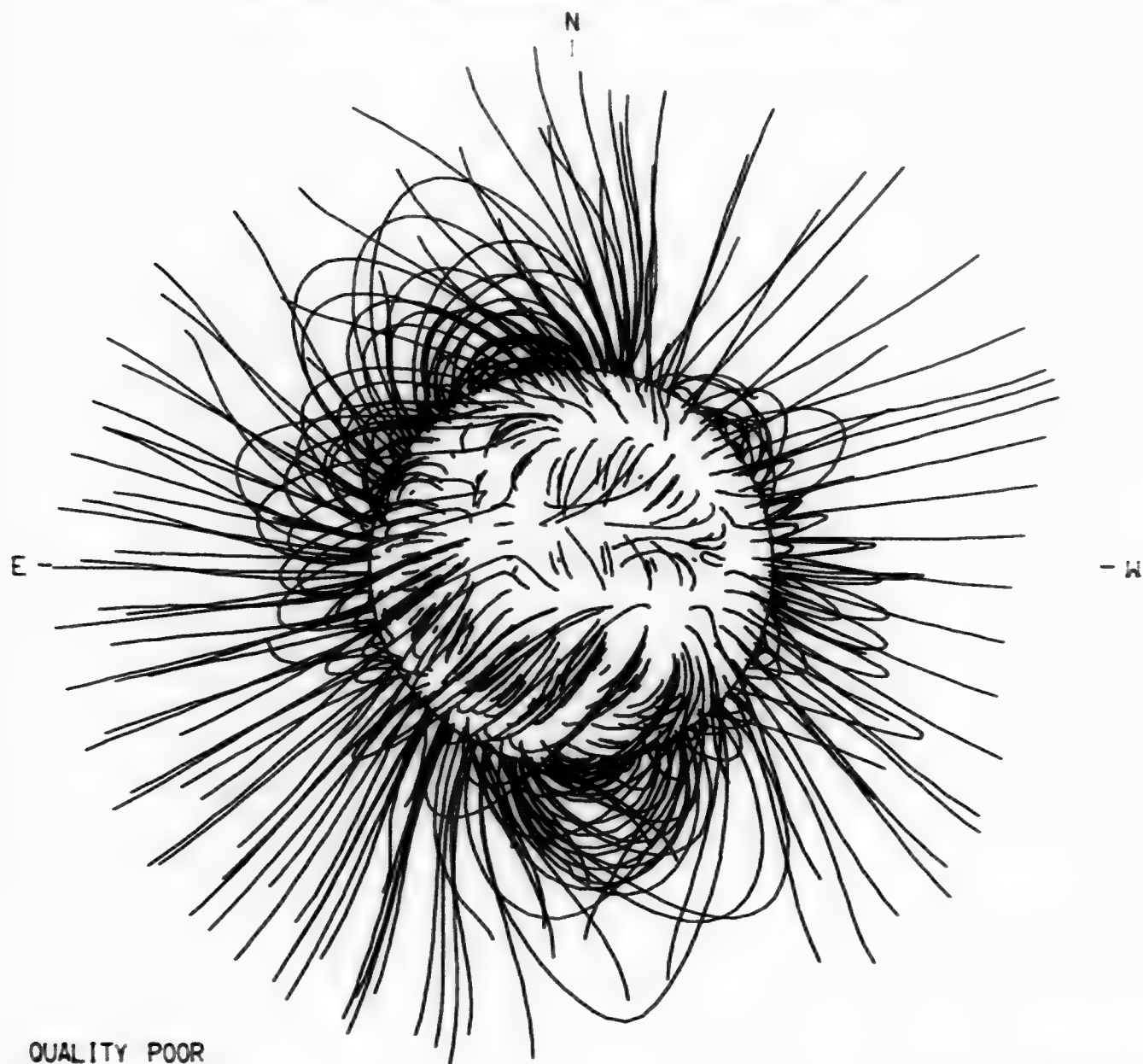


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 320°
28.6 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

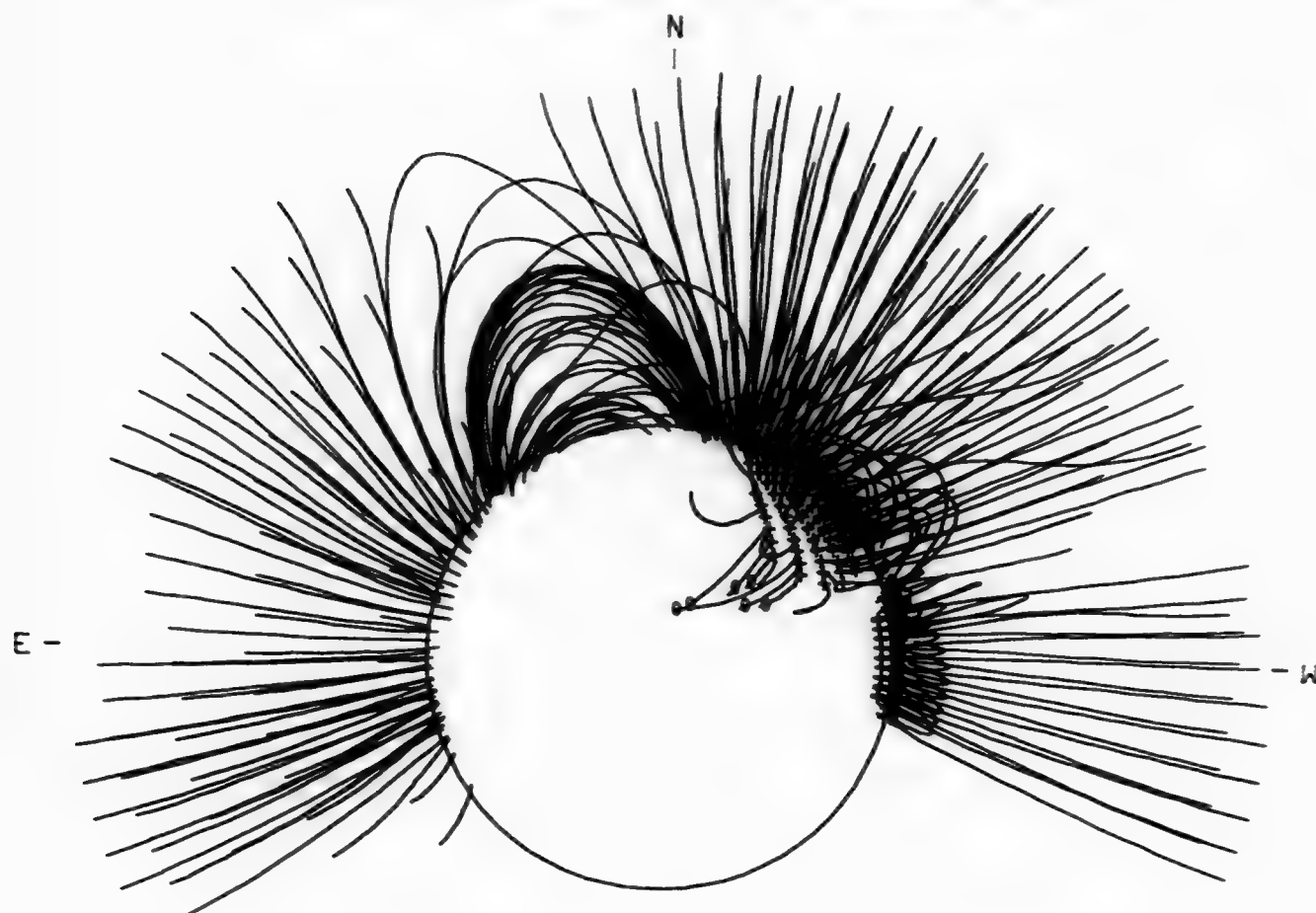
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 330°

29.4 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

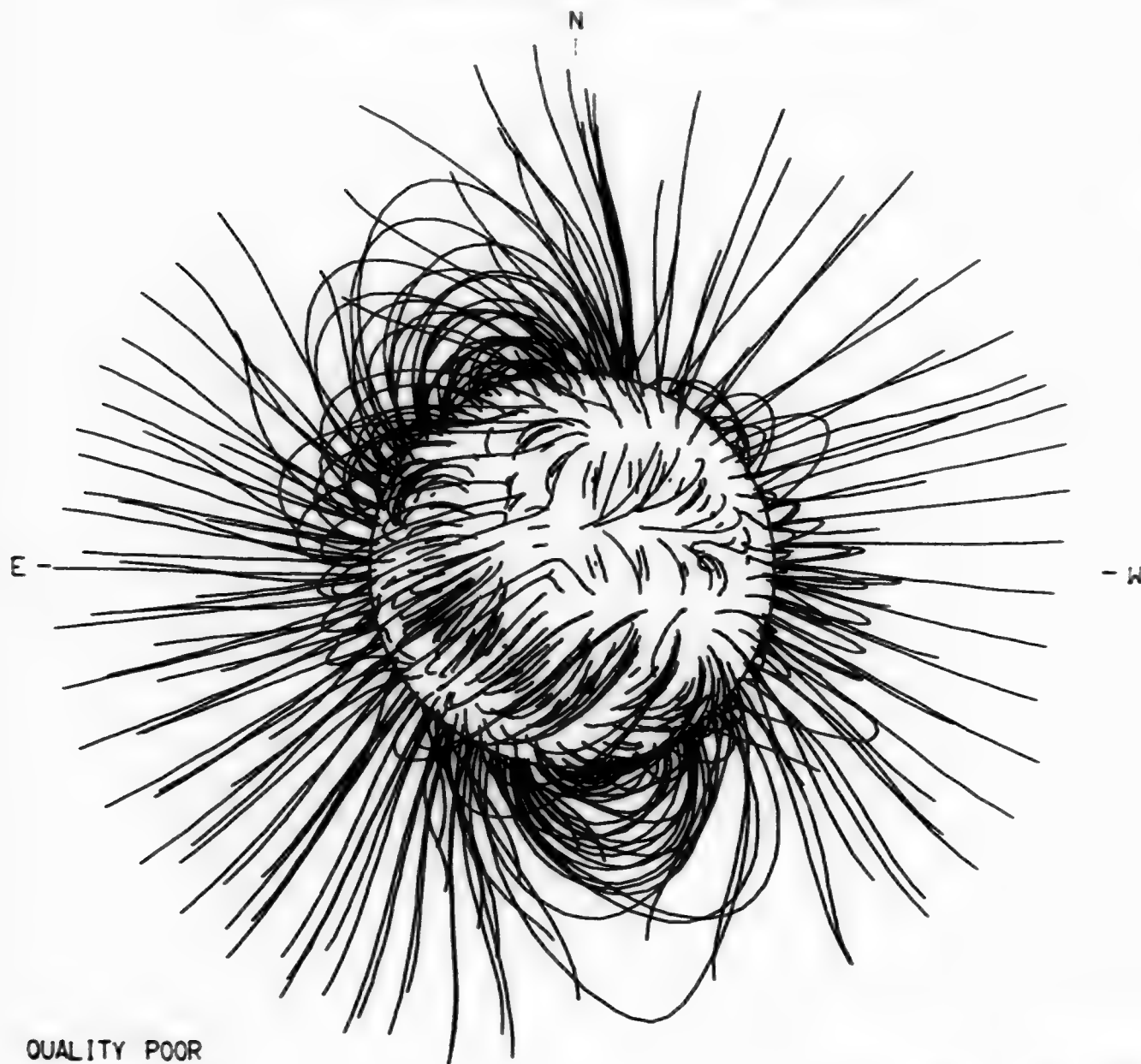


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 330°
29.4 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

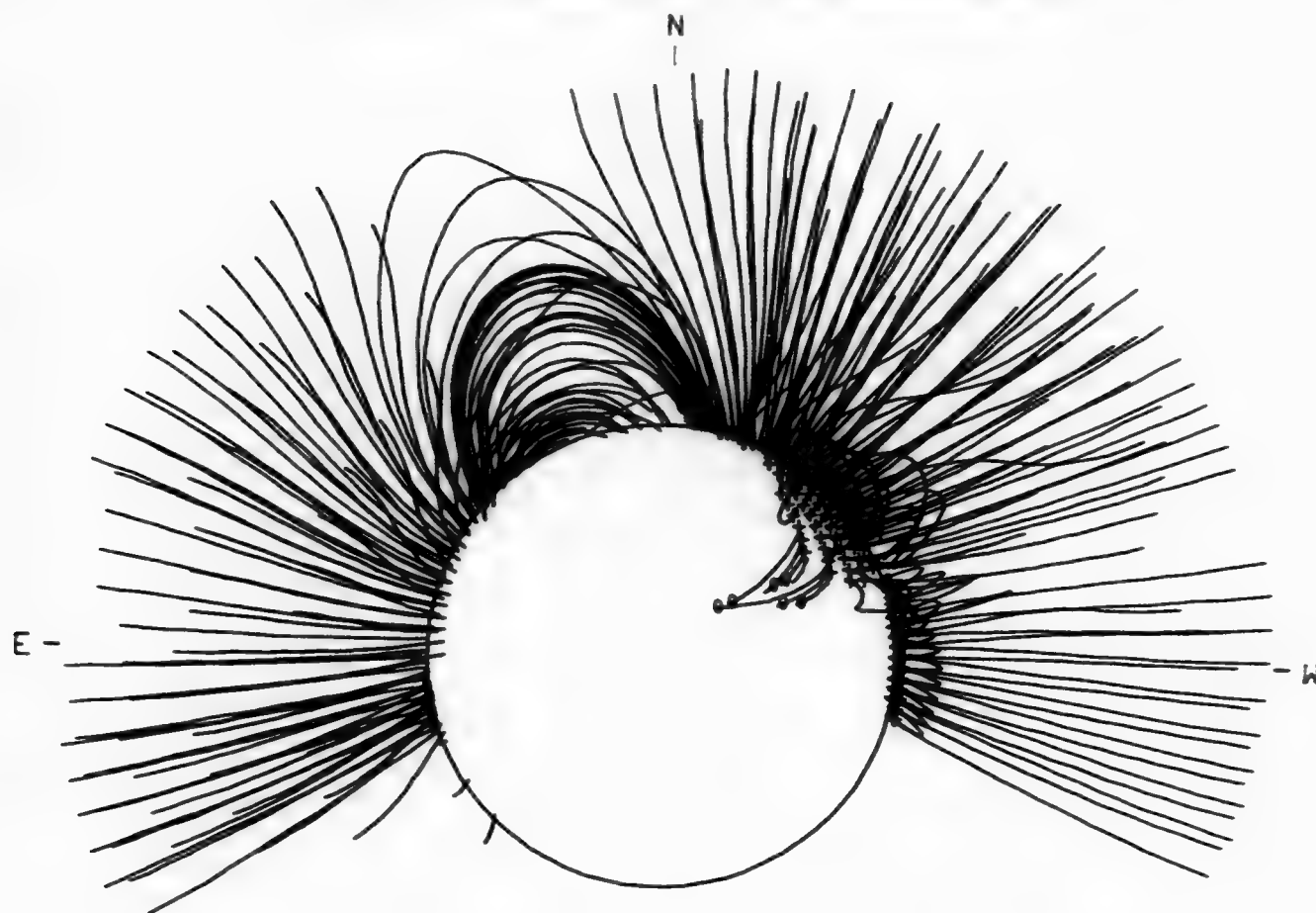
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 320°

30.1 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

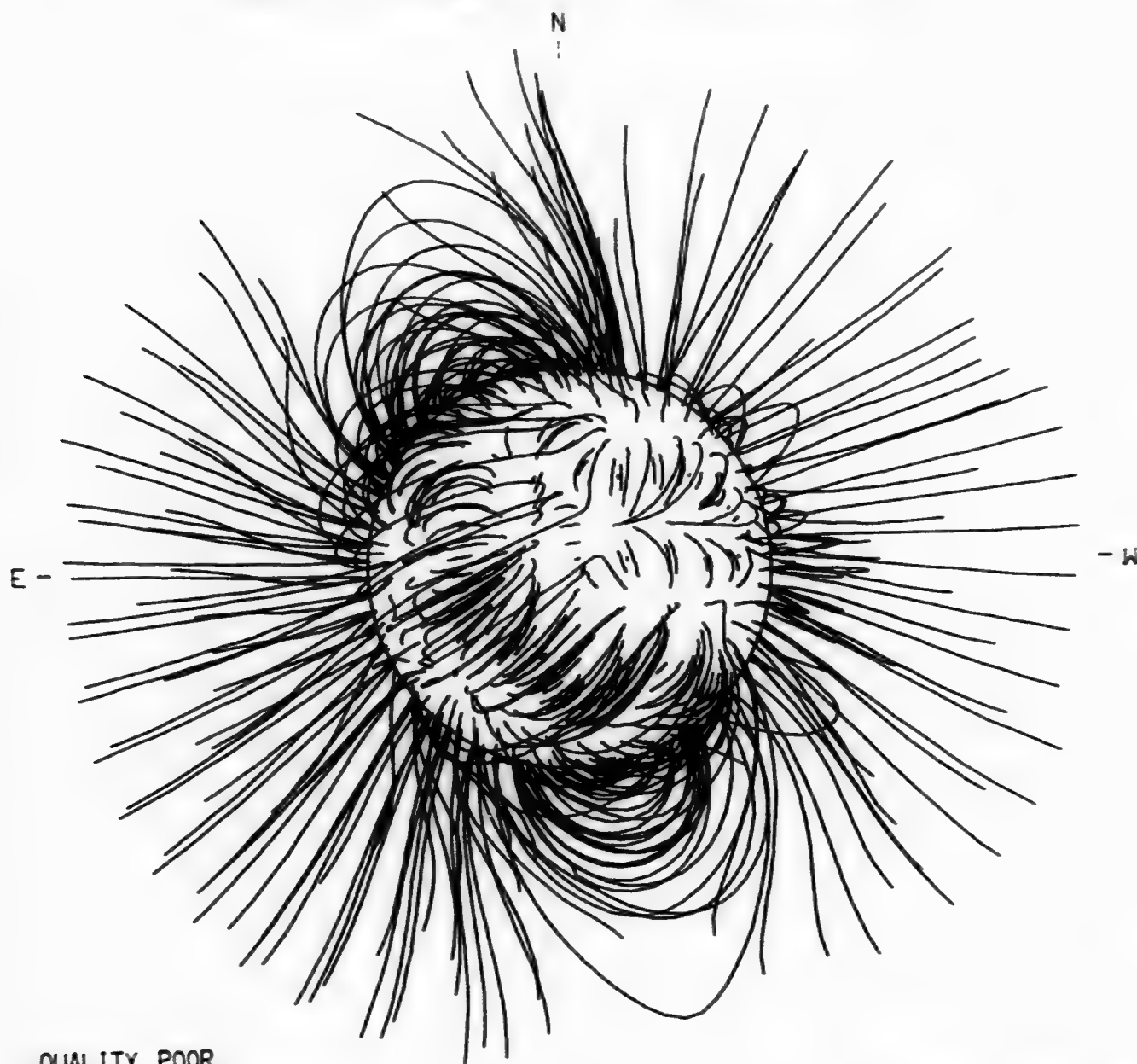


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 320°
30.1 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

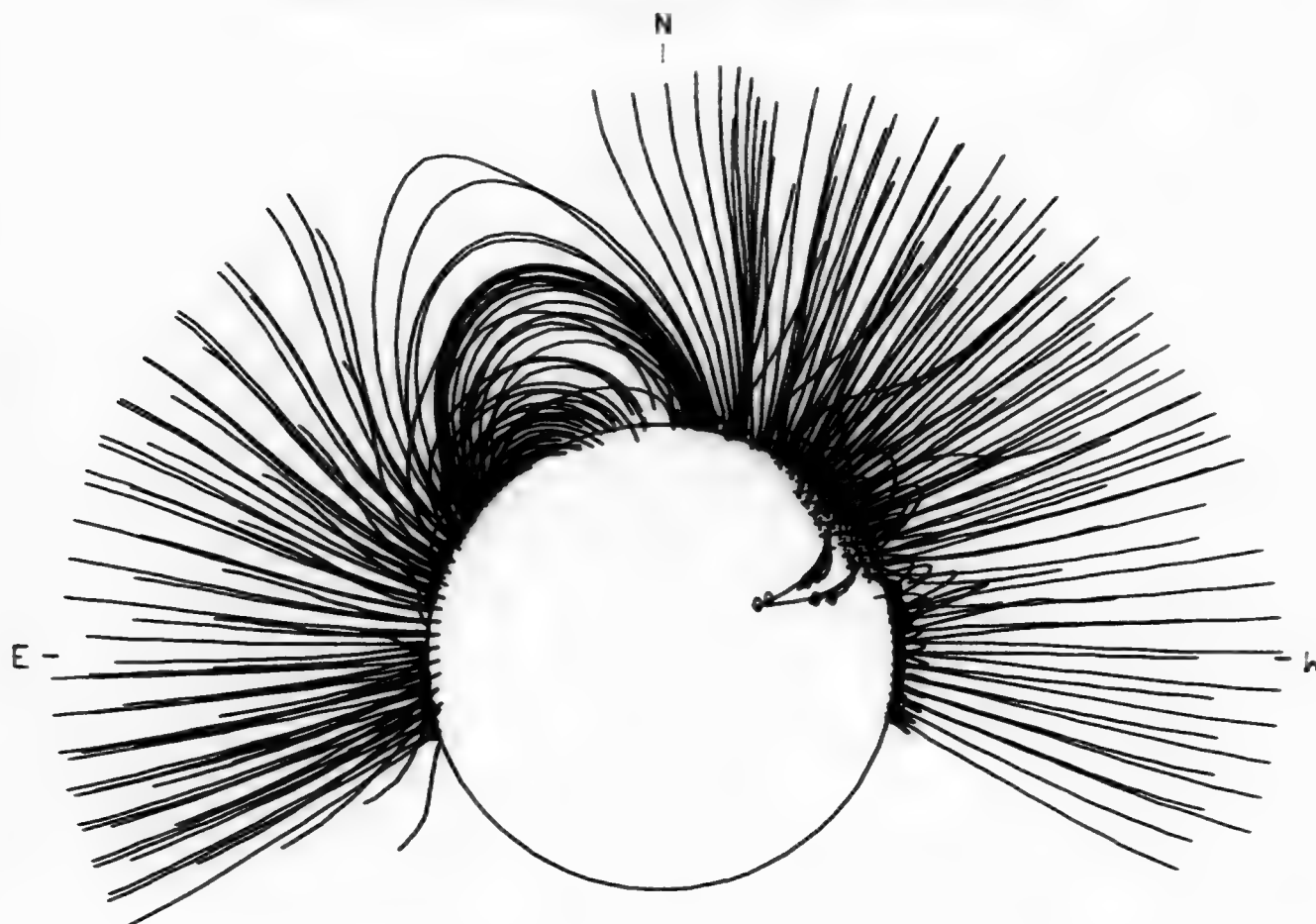


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 310°
30.9 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

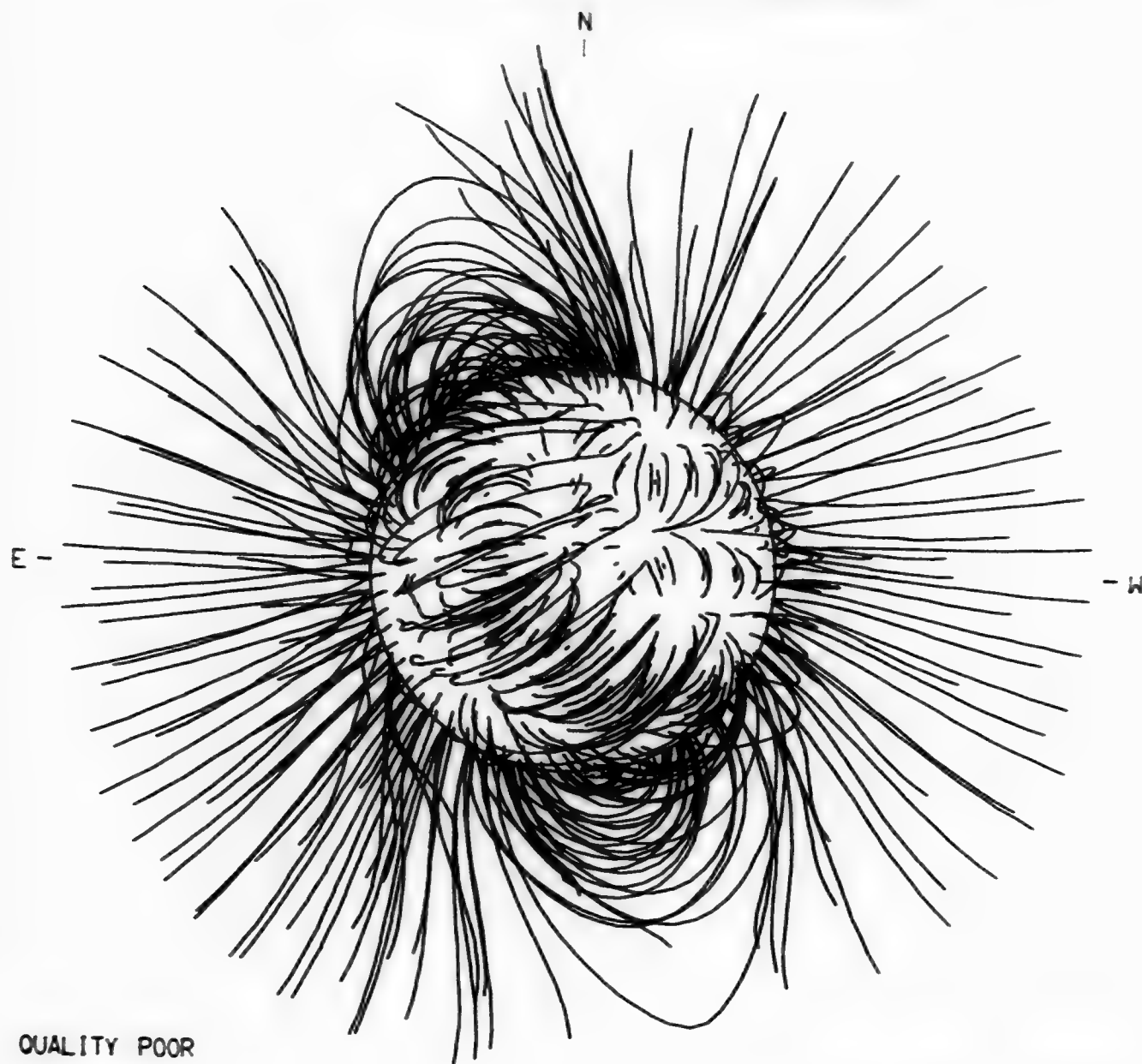


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 310°
30.9 SEP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

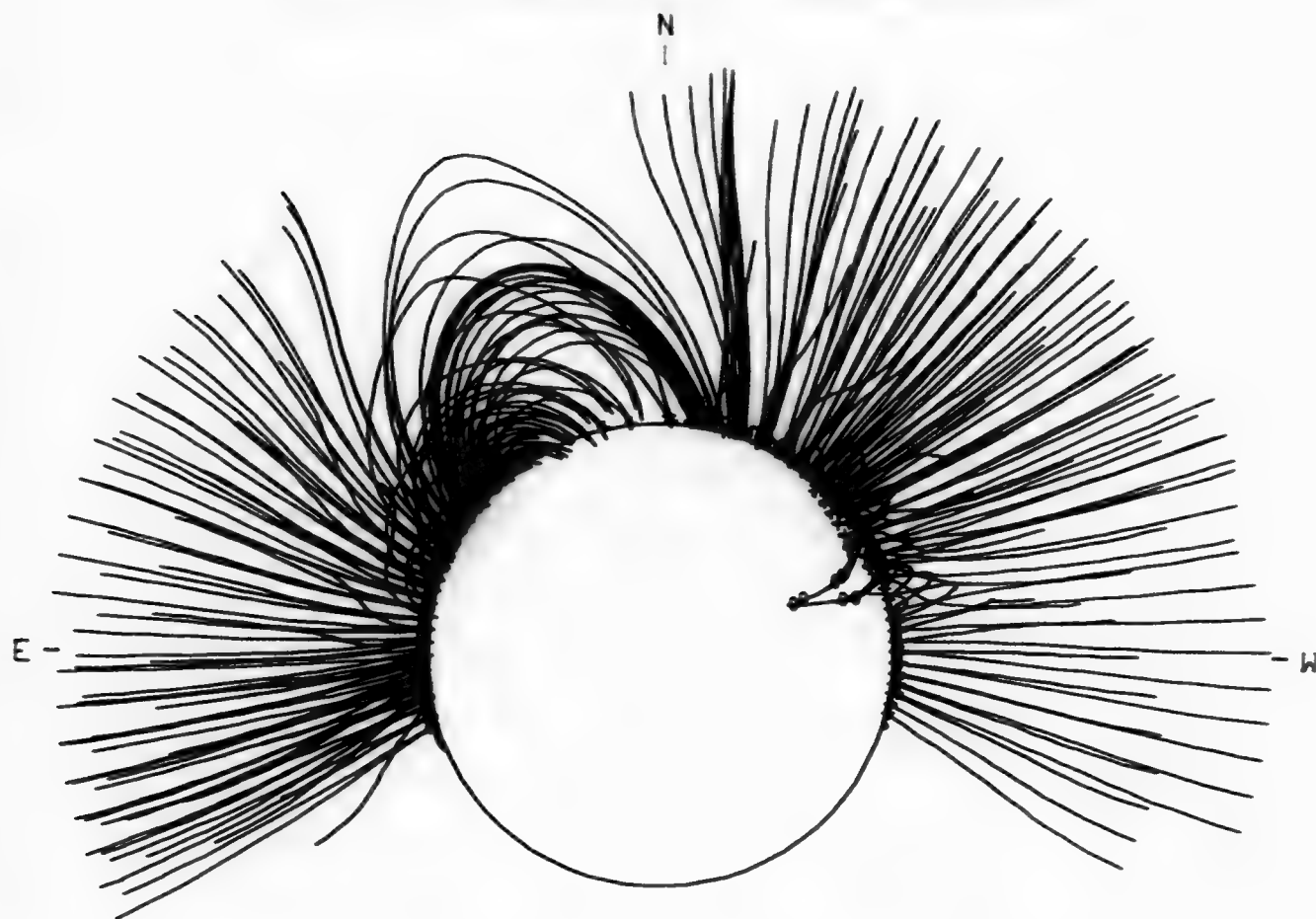
DATA WINDOW 1458.47

I
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ROT. 1459 LONG. 300°

1.7 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

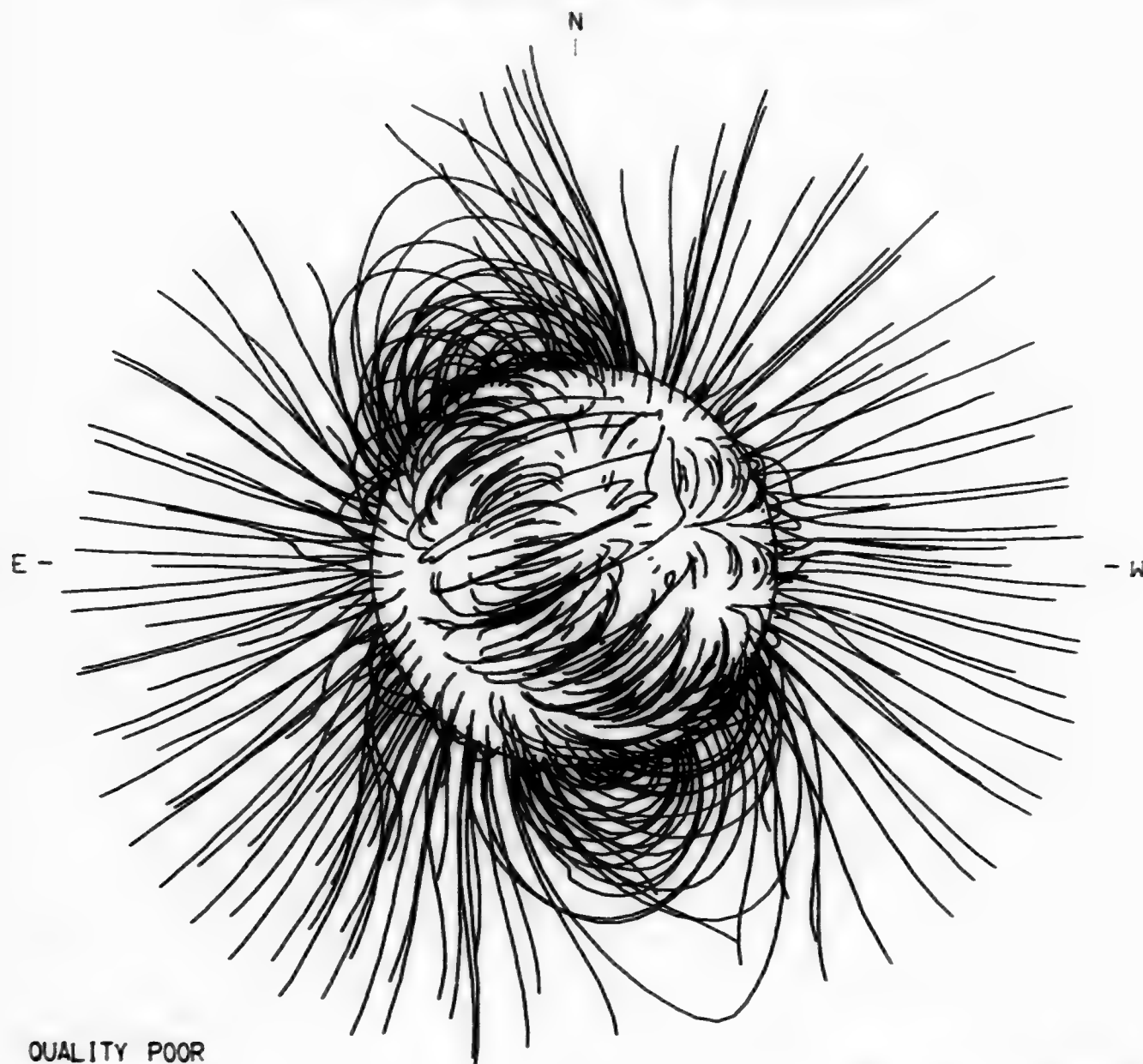


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 300°
1.7 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

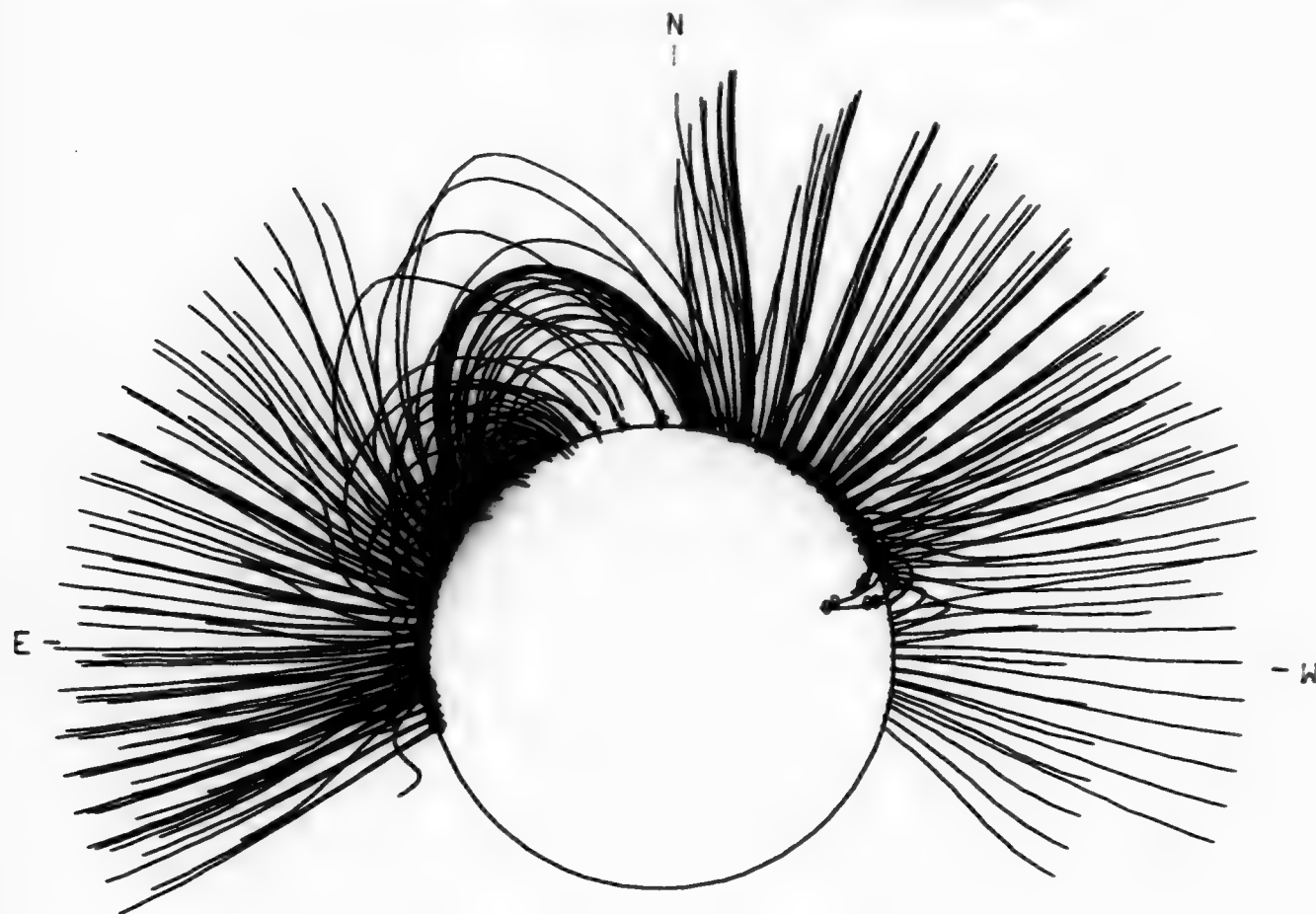
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 290°

2.4 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

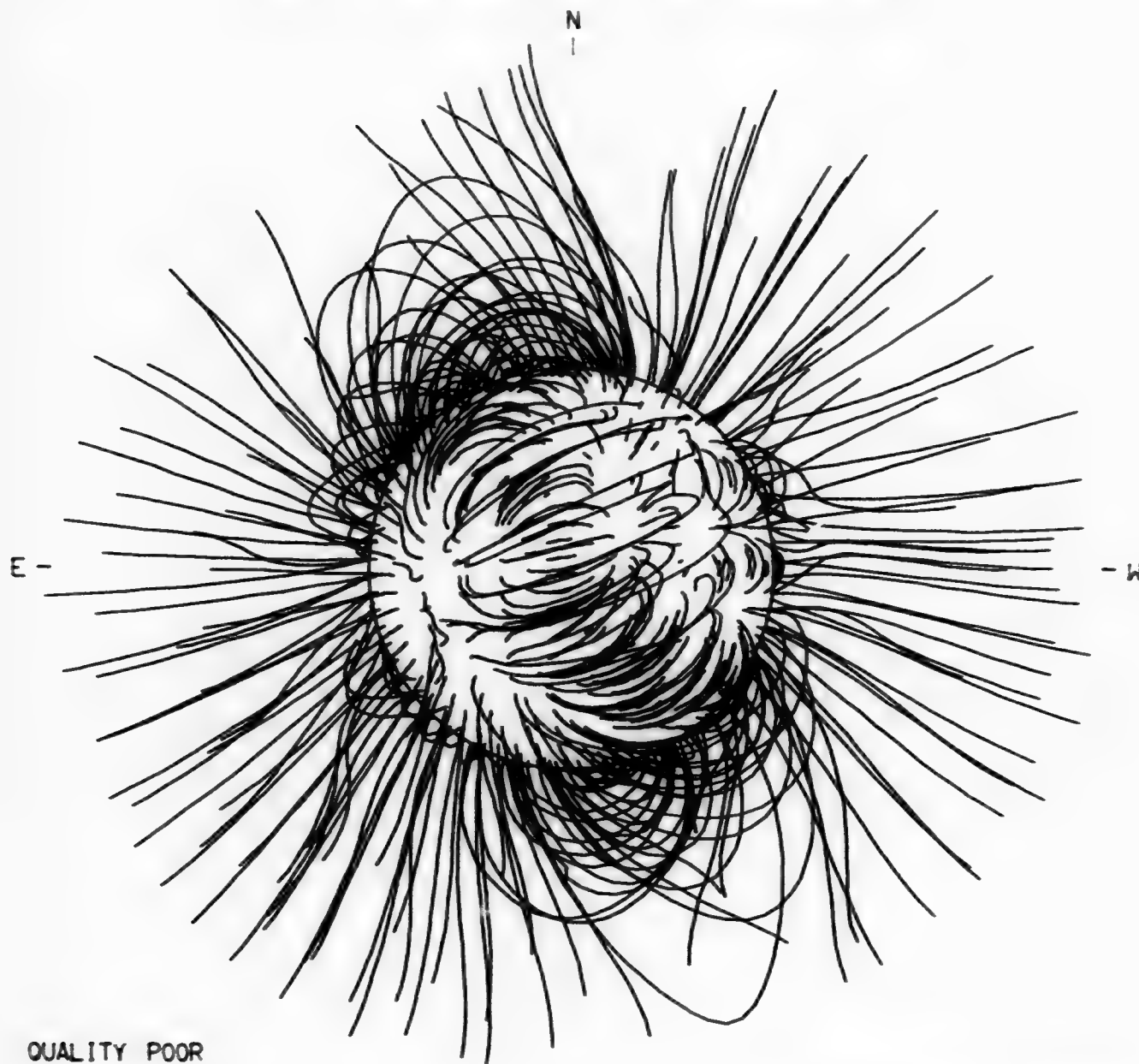
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 290°

2.4 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

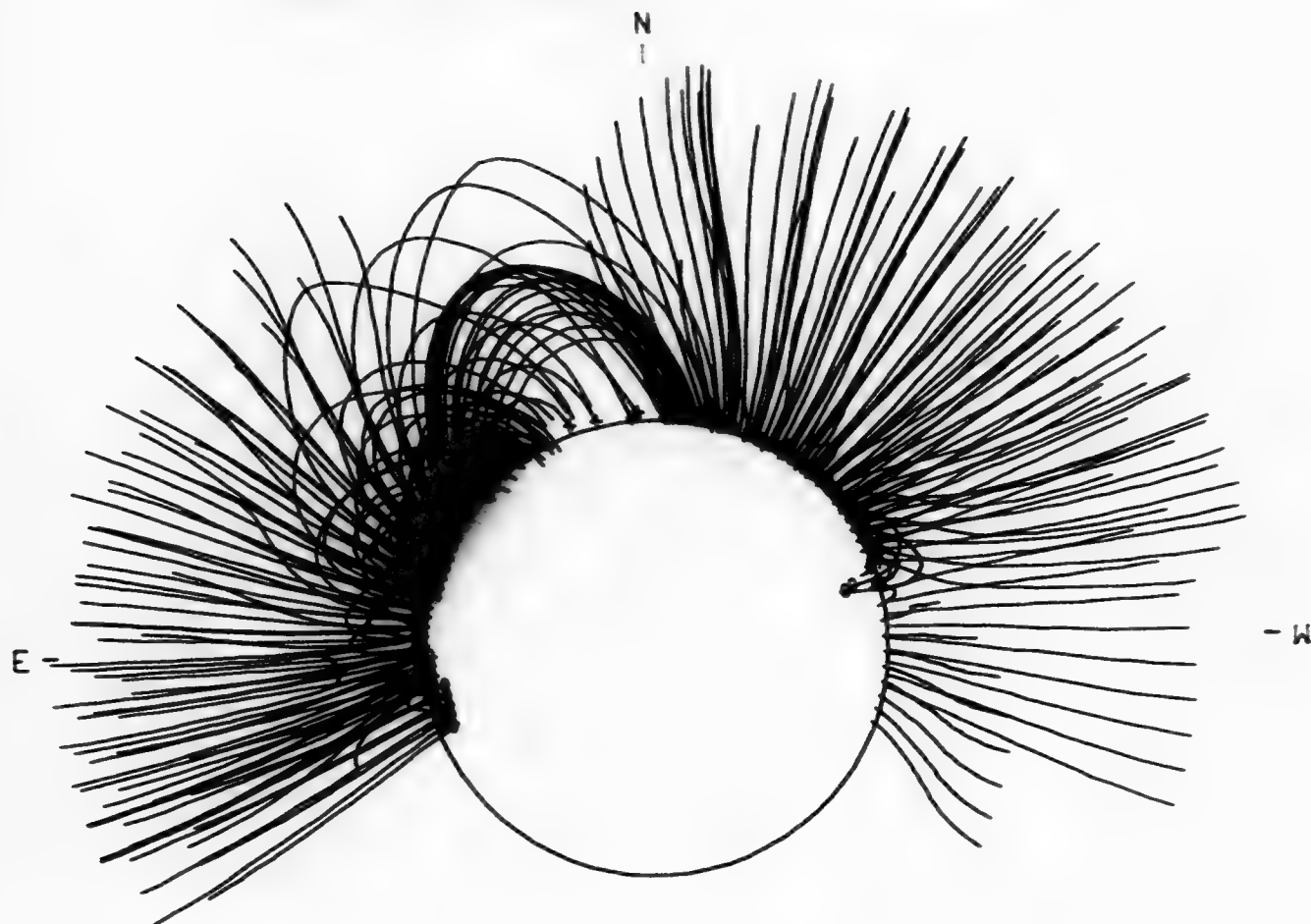
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 280°

3.2 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

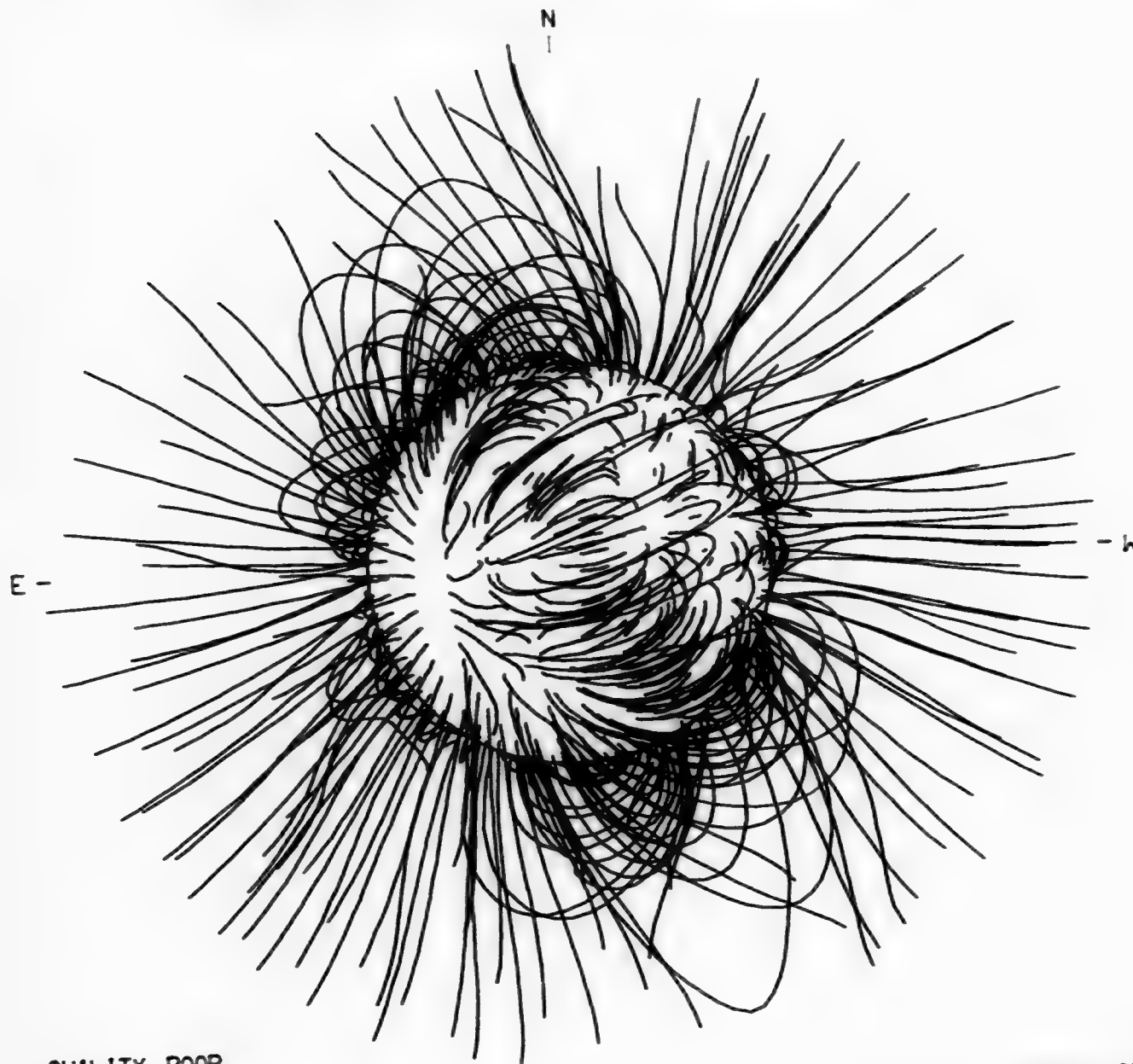


QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

I
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ROT. 1459 LONG. 280°
3.2 OCT 1962

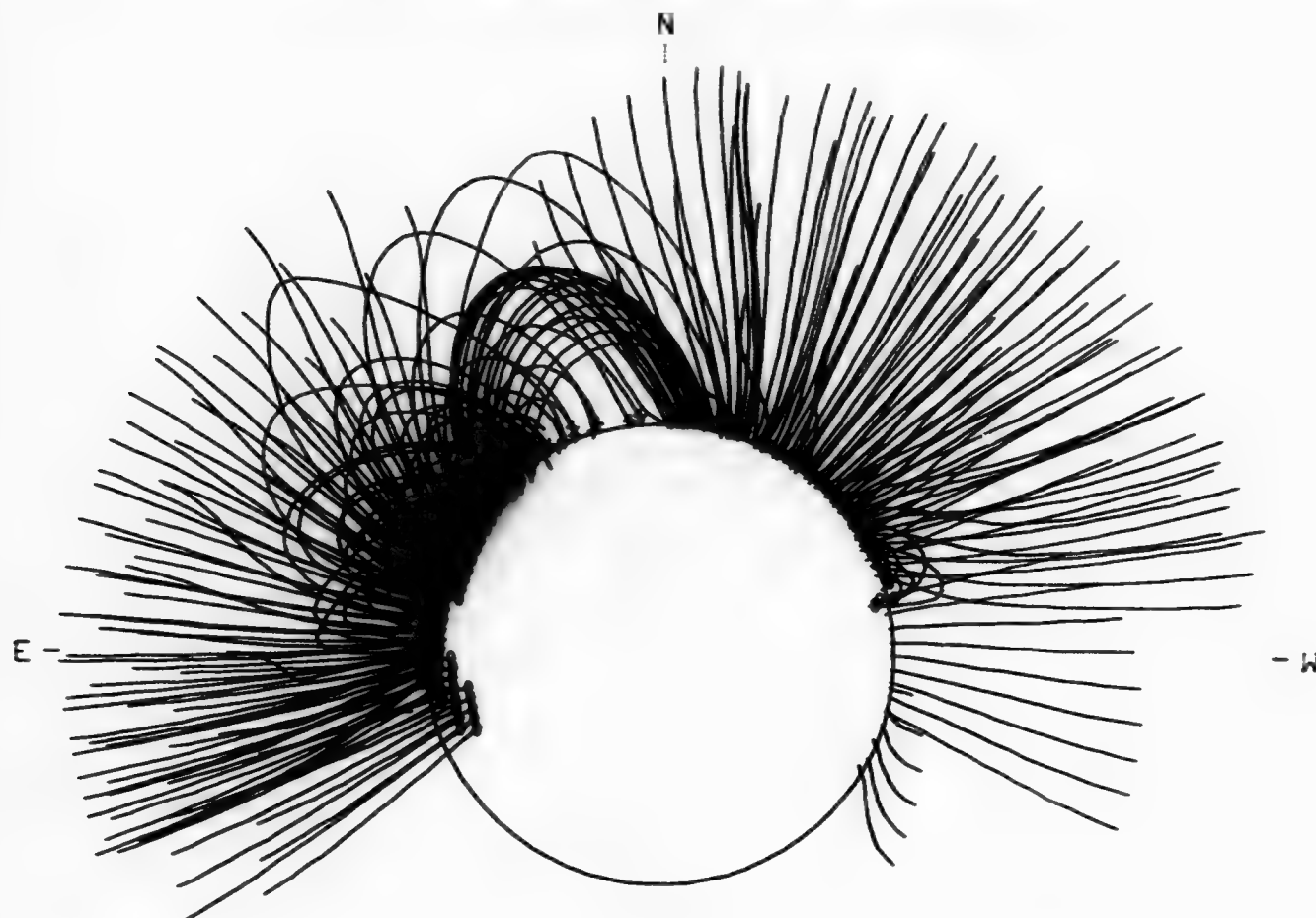
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1458.47

ROT. 1459 LONG. 270°
3.9 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

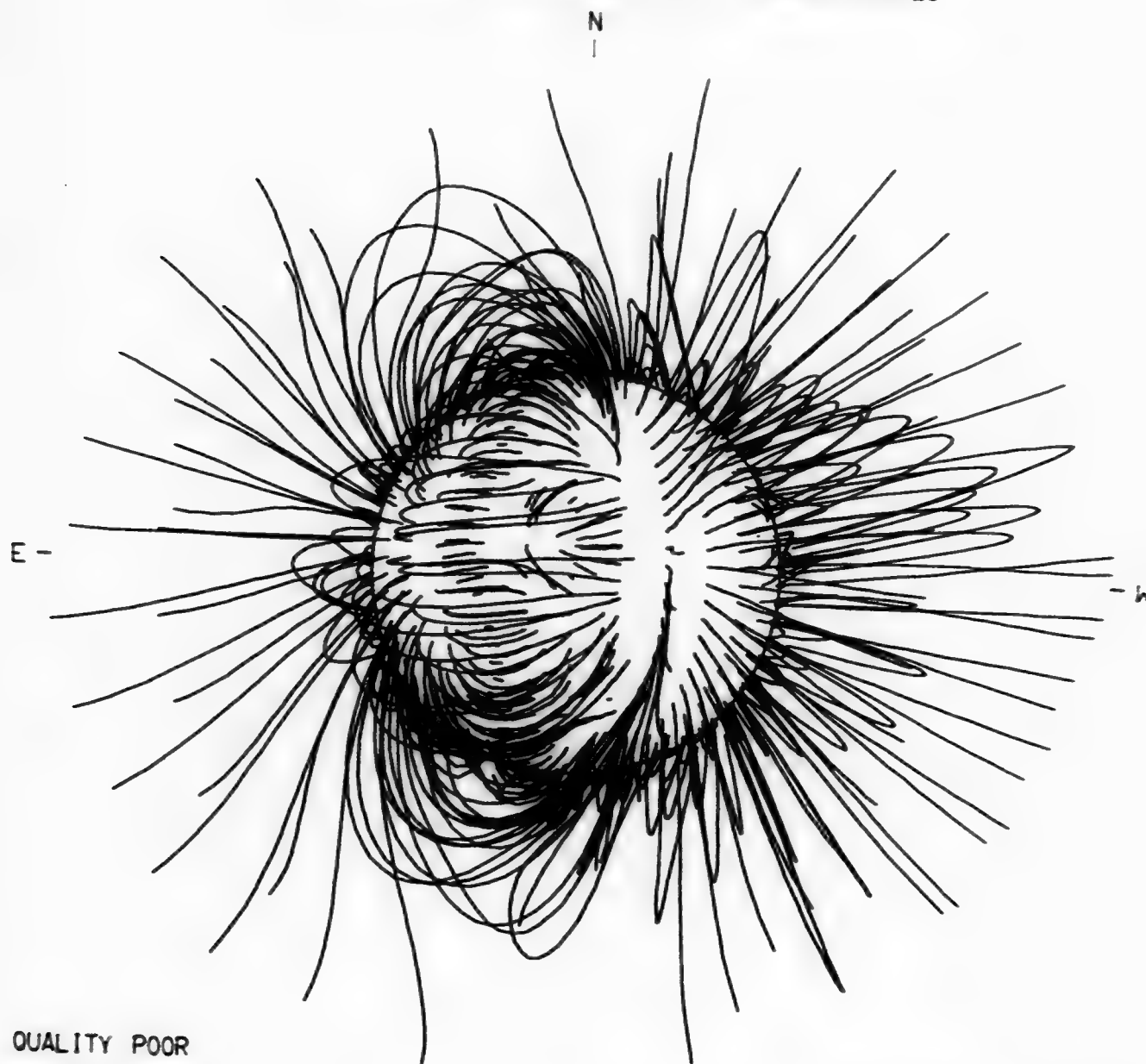
DATA WINDOW 1458.47

I
S

ROT. 1459 LONG. 270°

3.9 OCT 1962

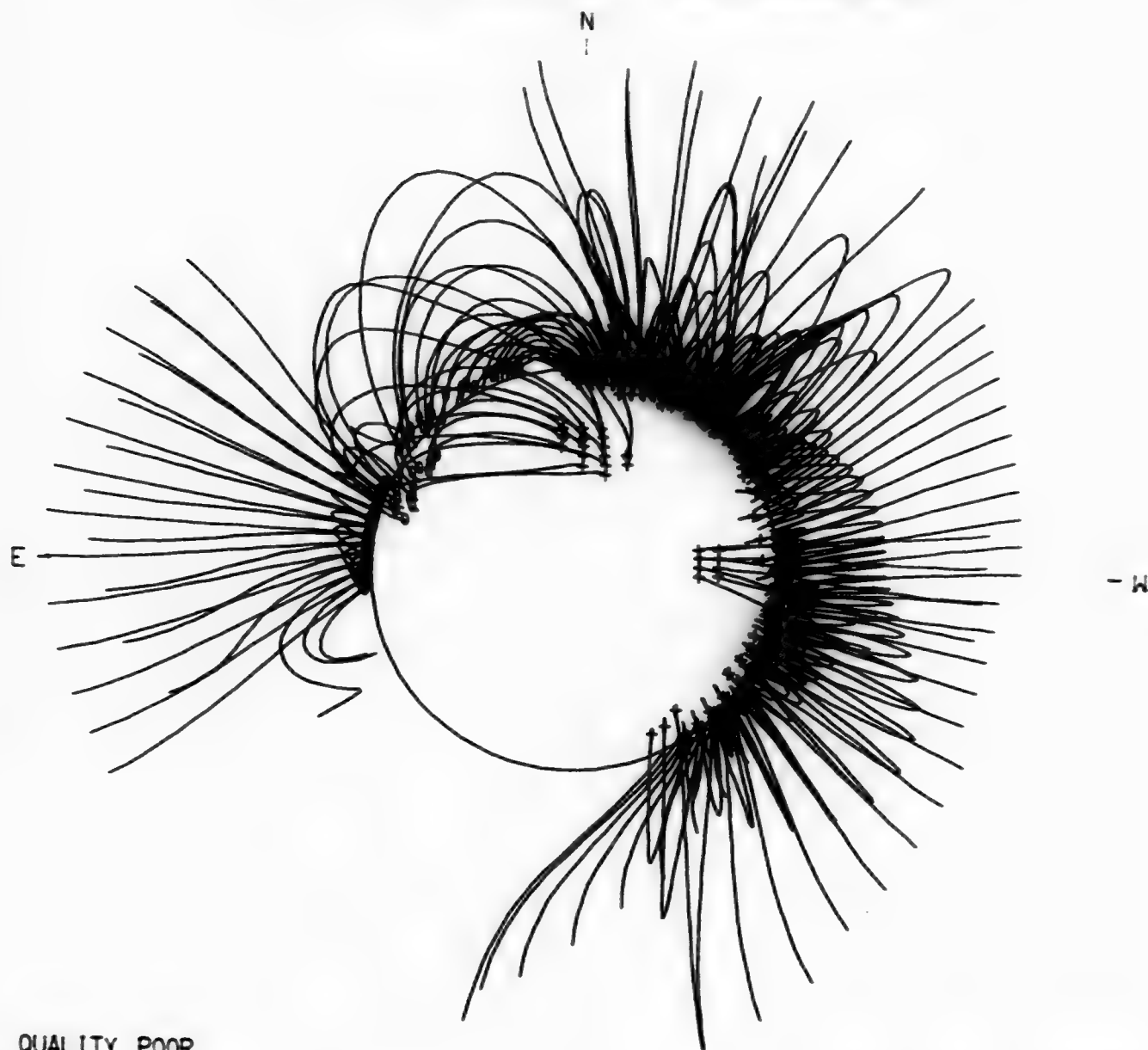
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

ROT. 1459 LONG. 260°
4.7 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

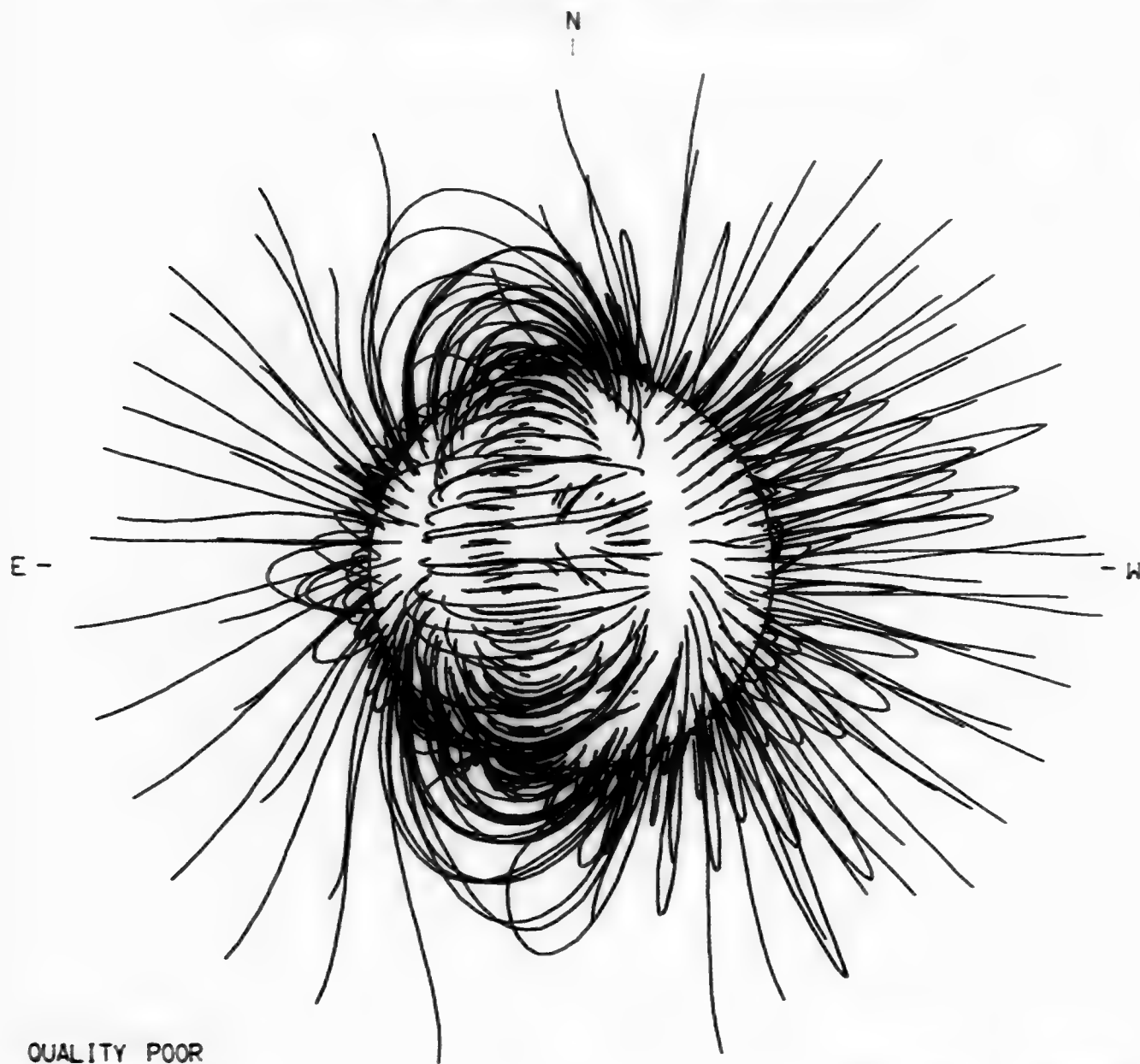


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

I
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ROT. 1459 LONG. 260°
4.7 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

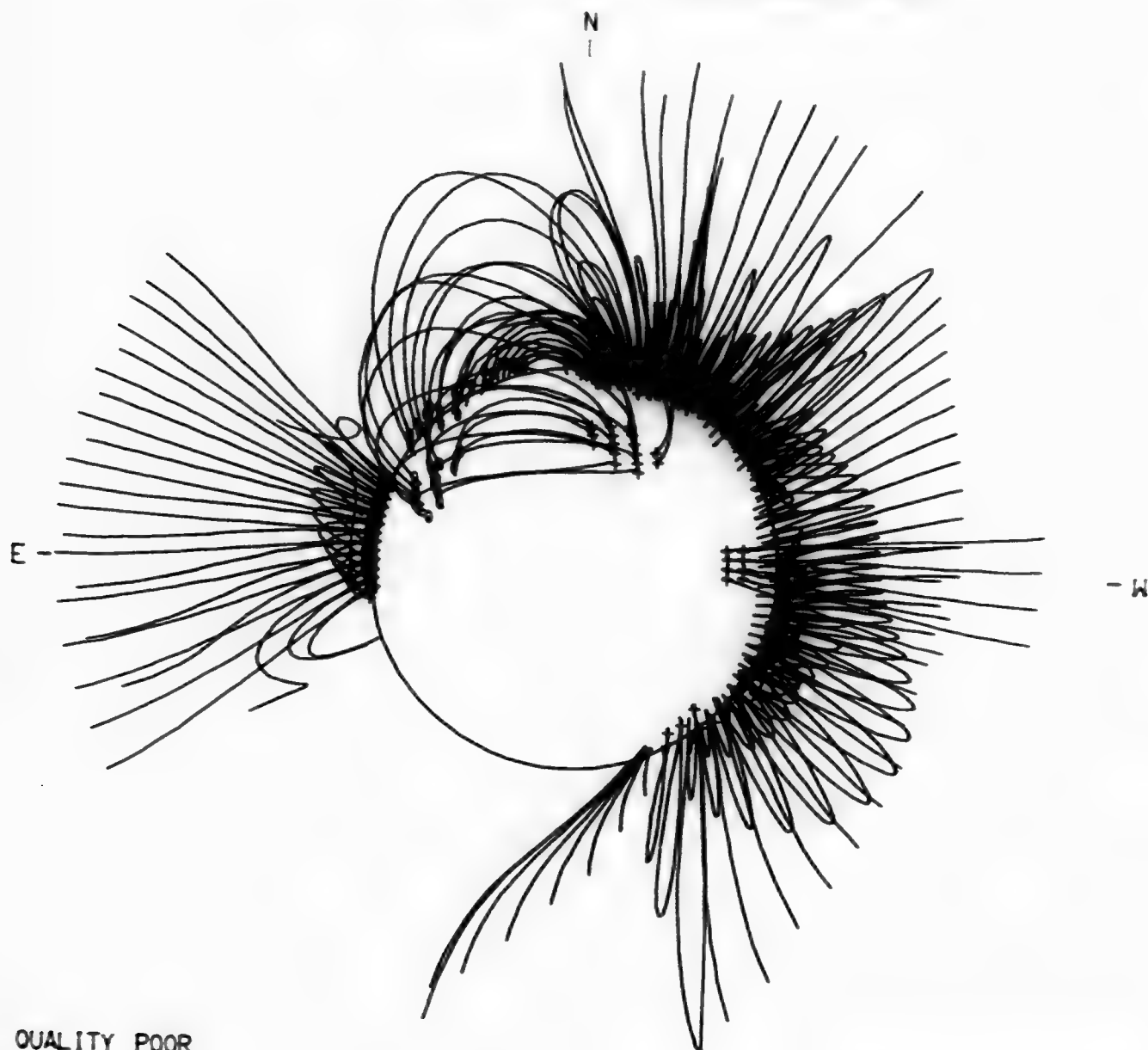
DATA WINDOW 1459.00

S

ROT. 1459 LONG. 250°

5.4 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

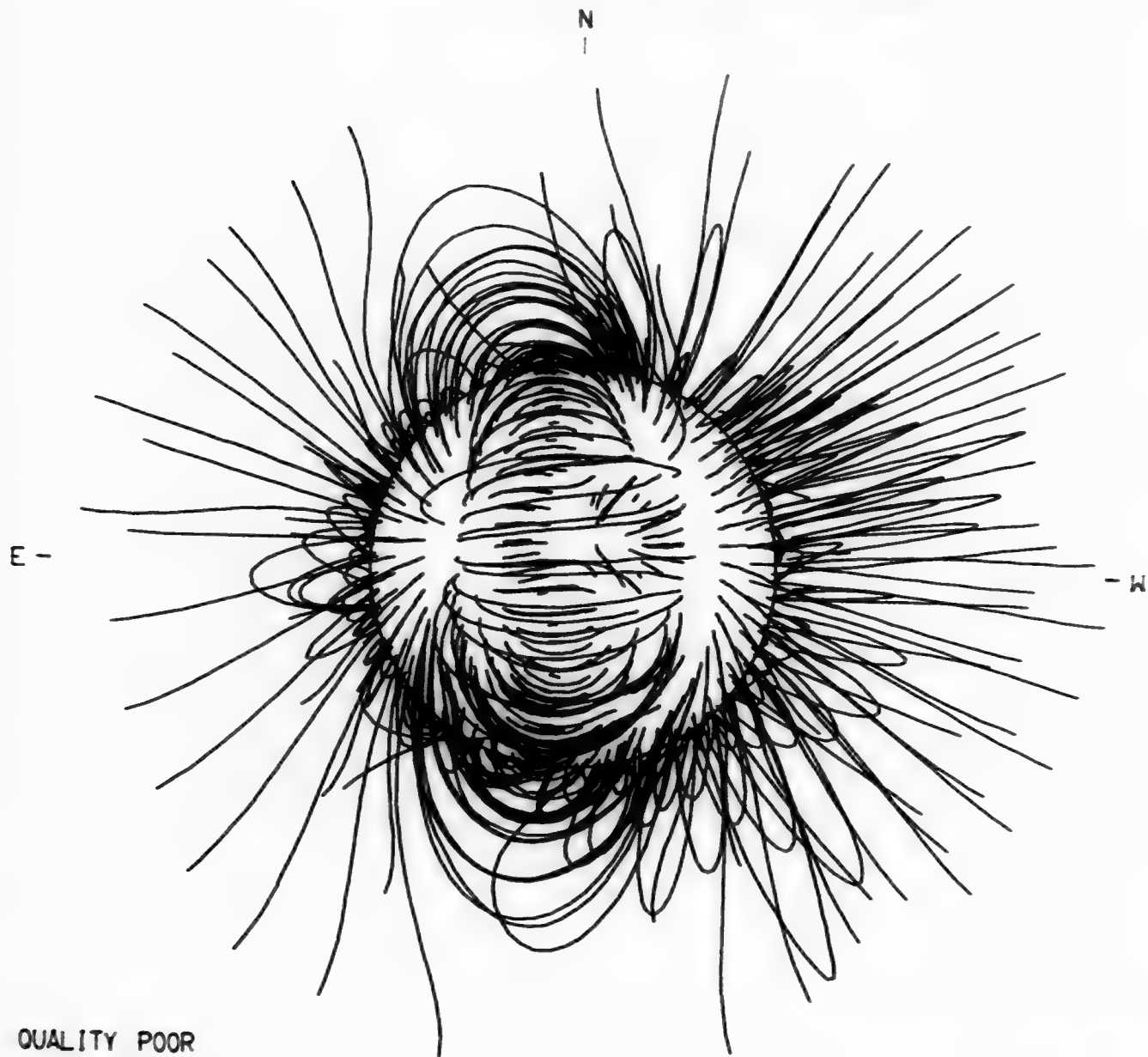


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

I
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ROT. 1459 LONG. 250°
5.4 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

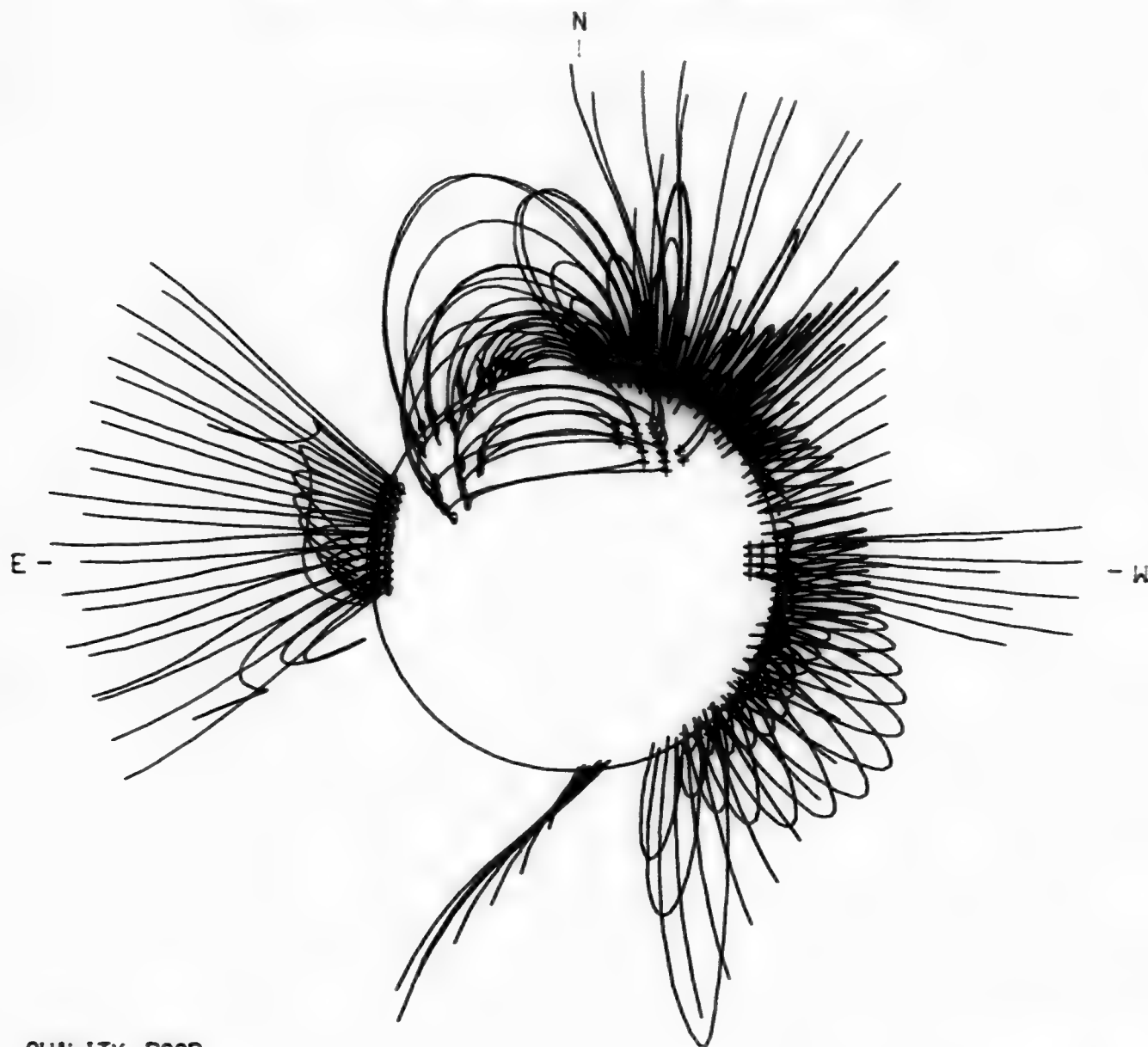
DATA WINDOW 1459.00

I
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ROT. 1459 LONG. 240°

6.2 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

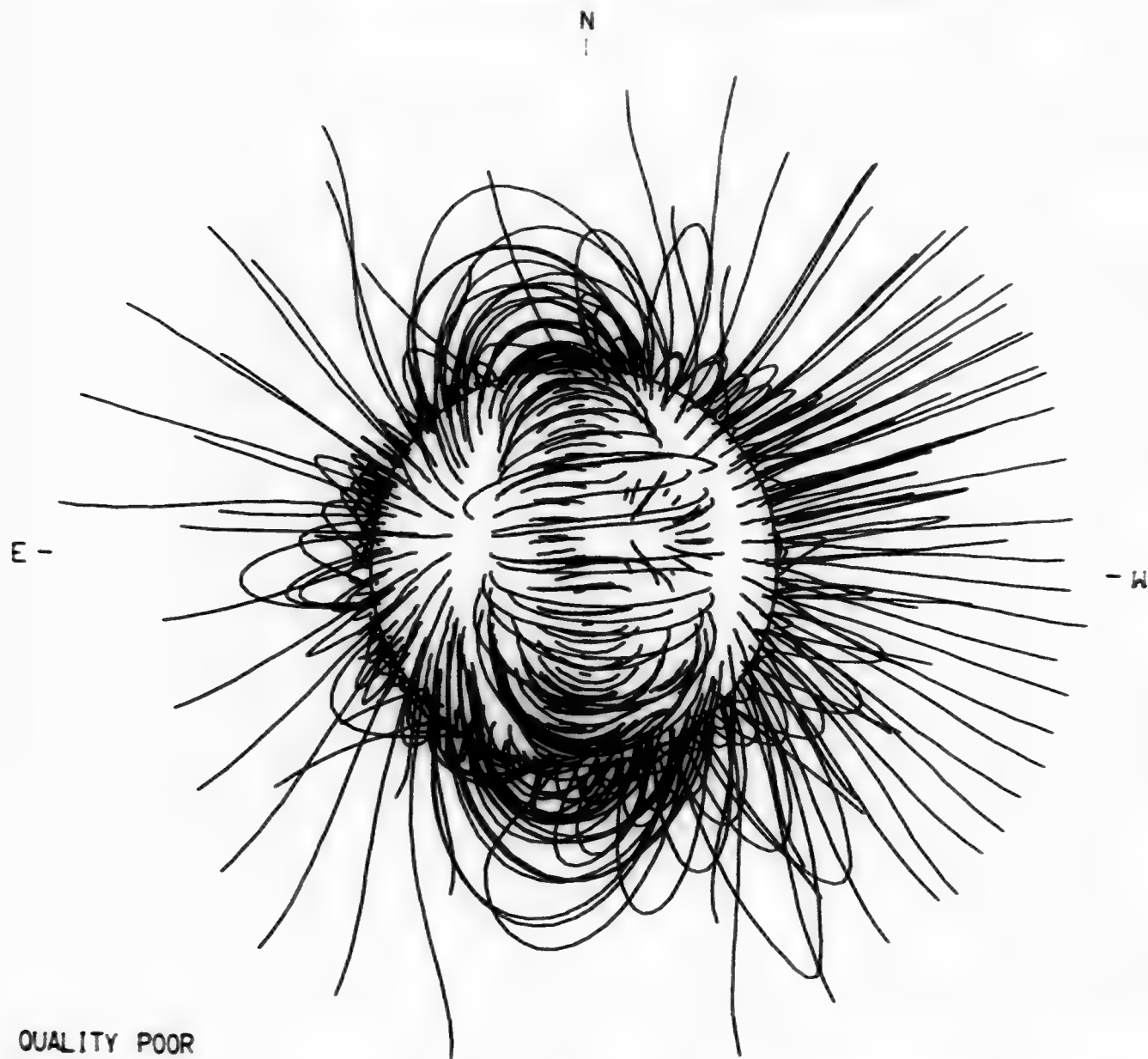


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

I
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ROT. 1459 LONG. 240°
6.2 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

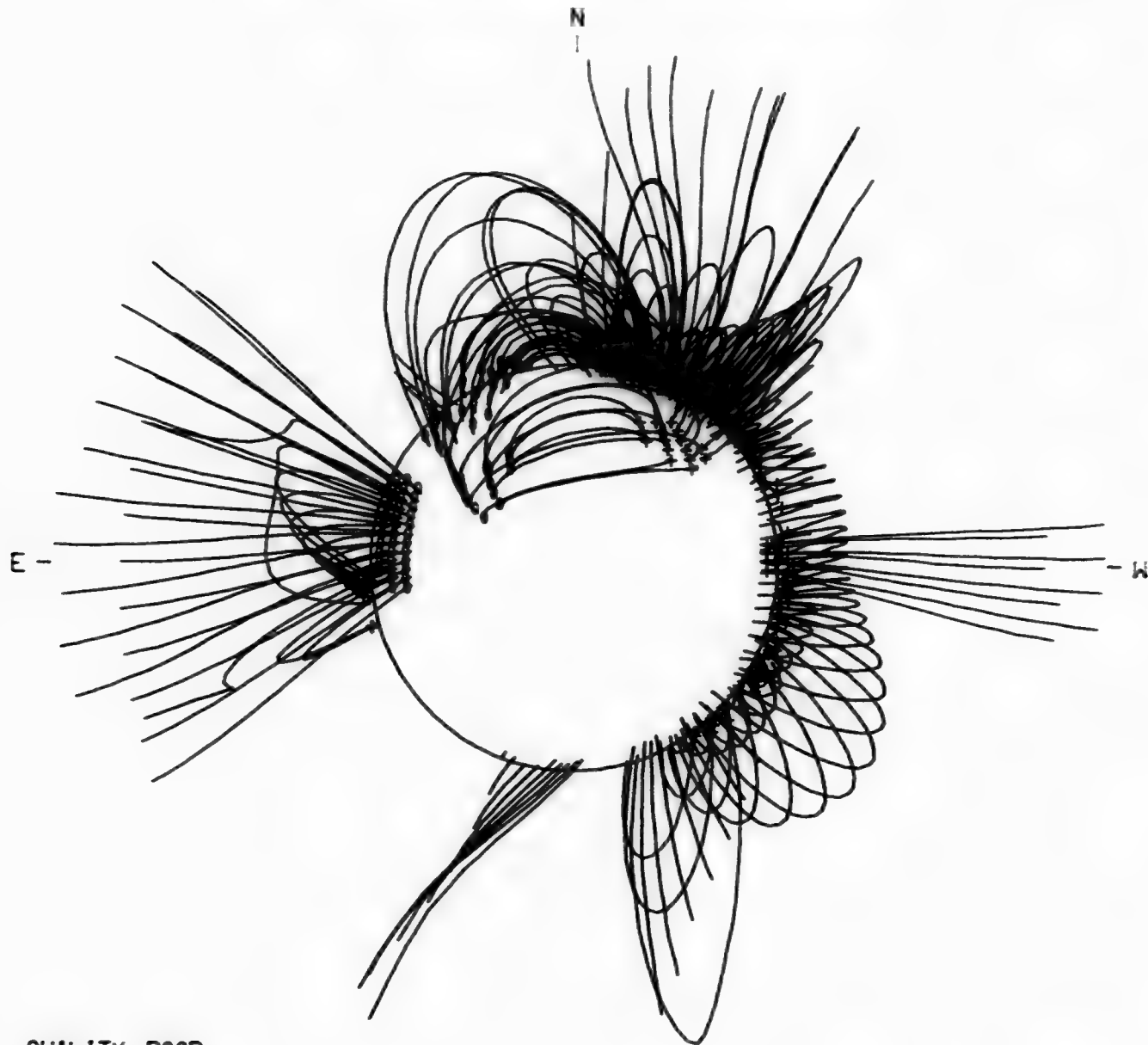
DATA WINDOW 1459.00

I
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ROT. 1459 LONG. 232°

7.0 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

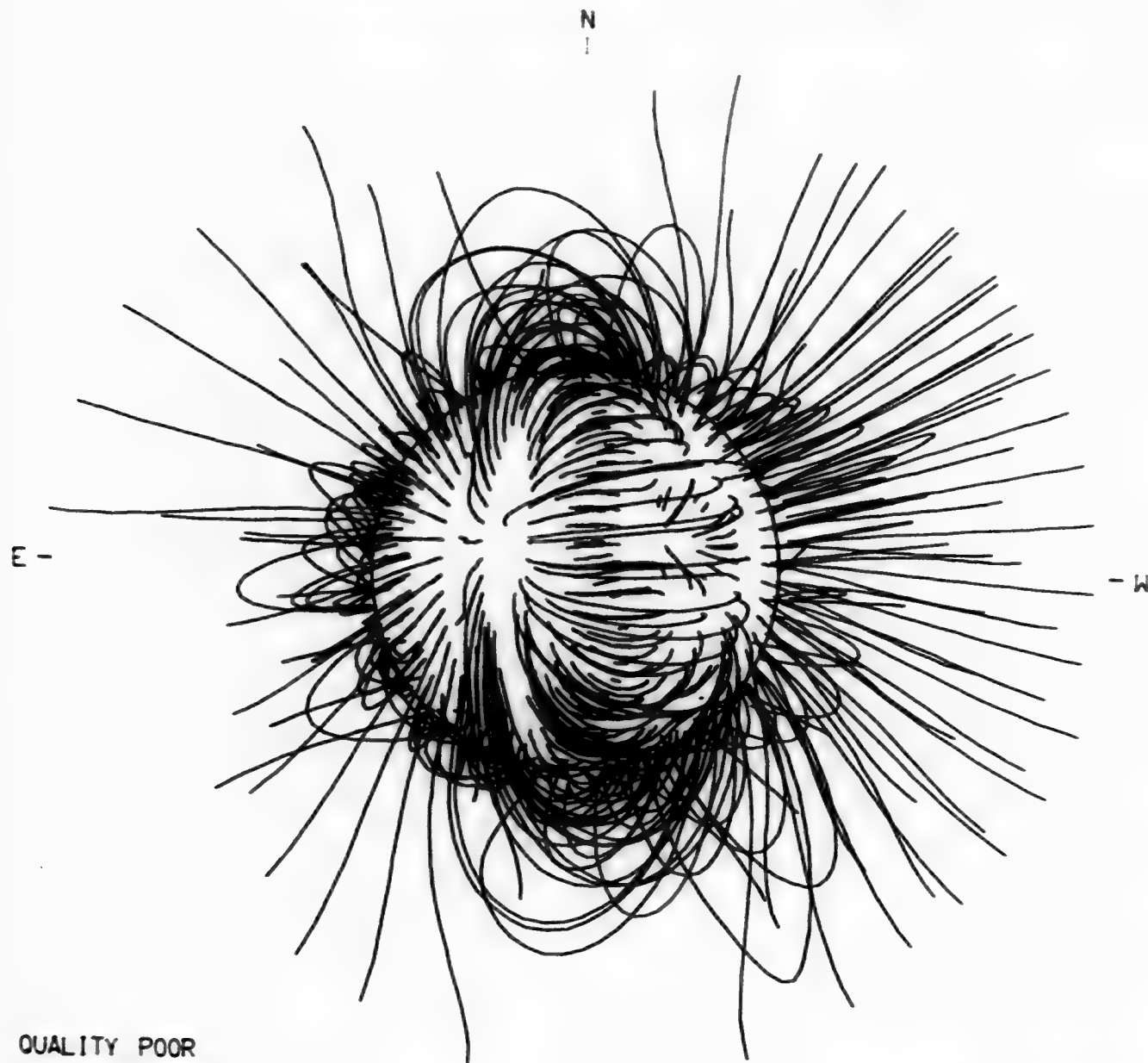


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

I
S

ROT. 1459 LONG. 230°
7.0 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

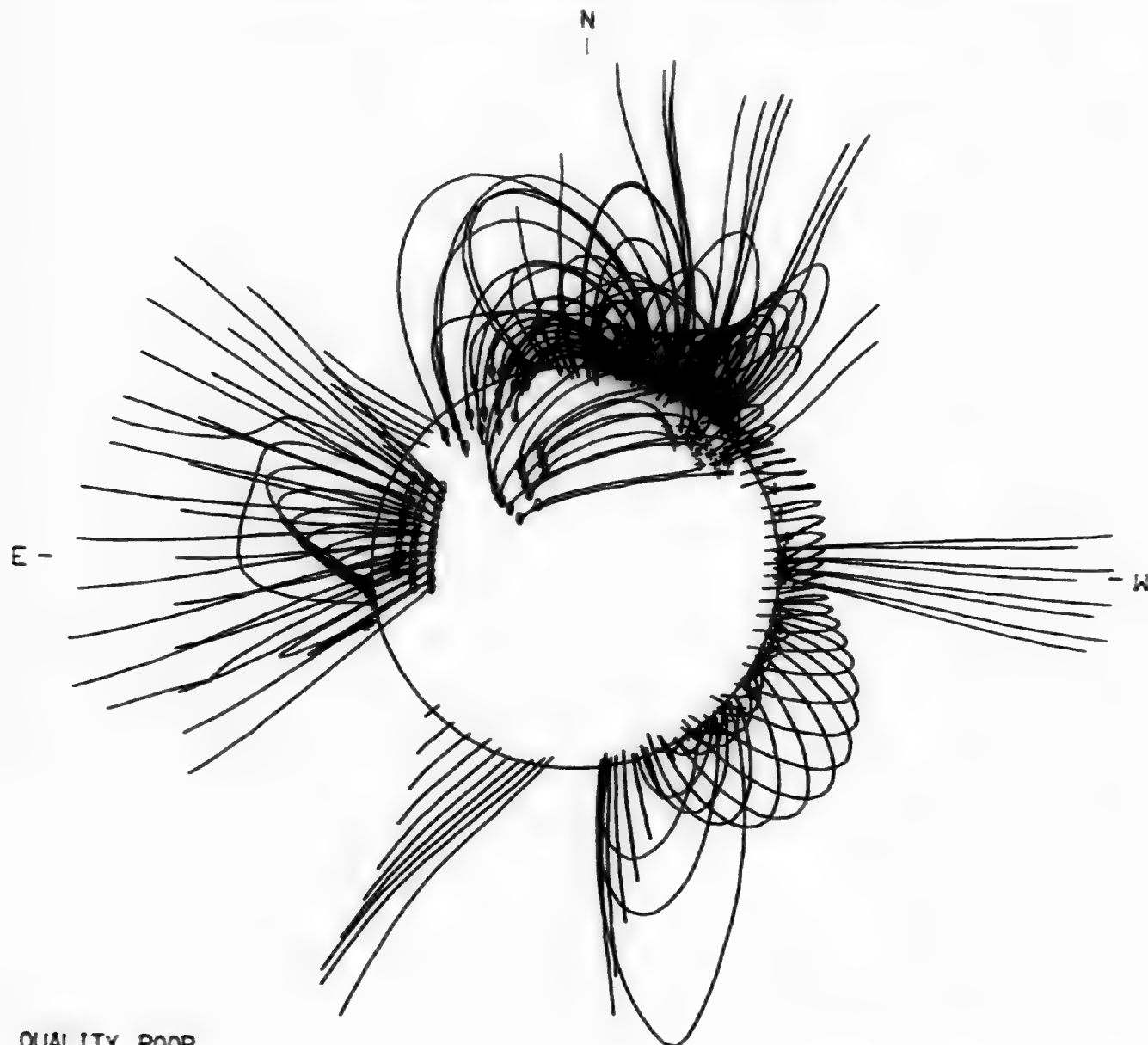


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

I
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ROT. 1459 LONG. 220°
7.7 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

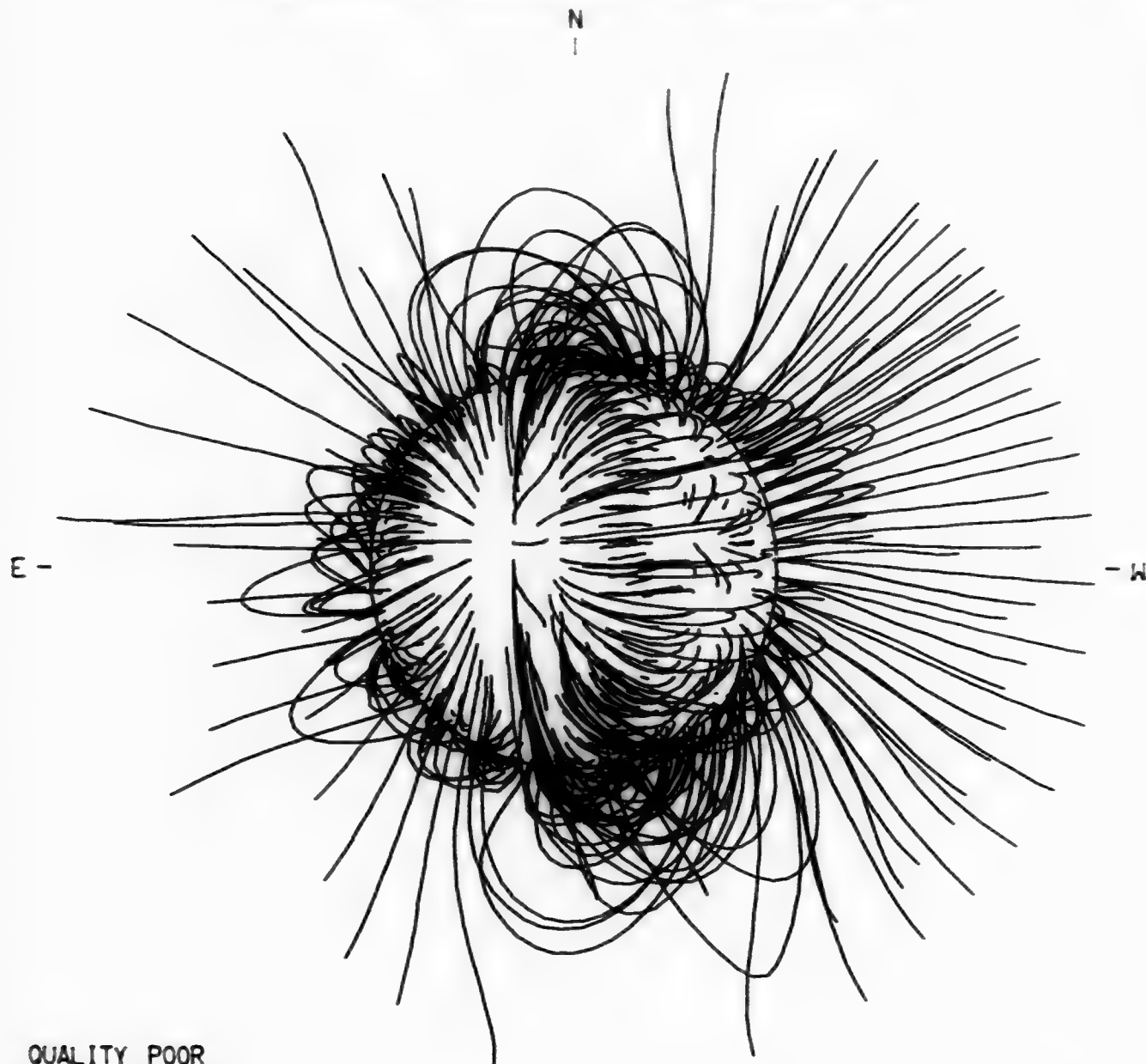


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

I
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ROT. 1459 LONG. 220°
7.7 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

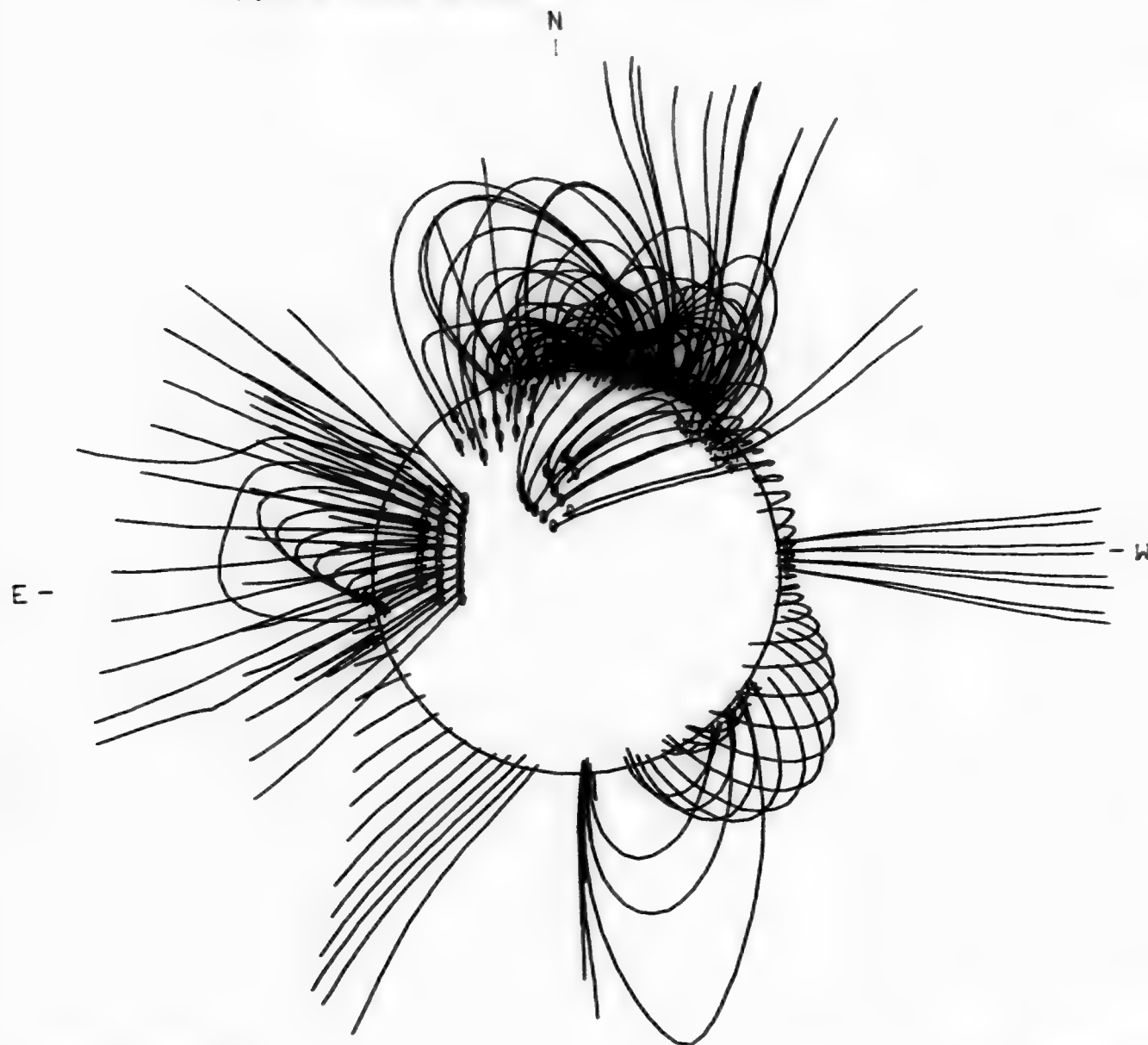
DATA WINDOW 1459.00

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ROT. 1459 LONG. 210°

8.5 OCT 1962

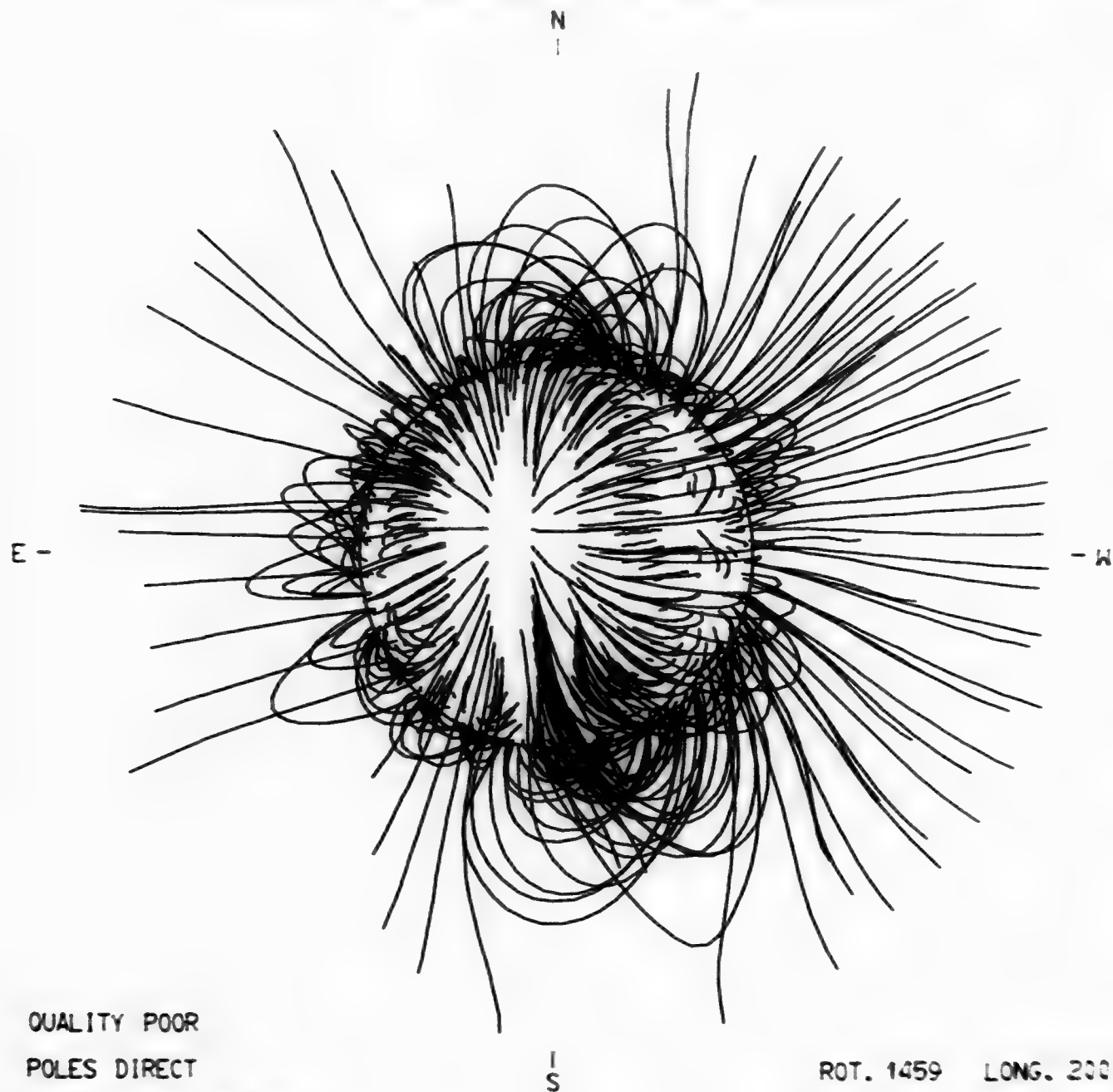
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

ROT. 1459 LONG. 210°
8.5 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

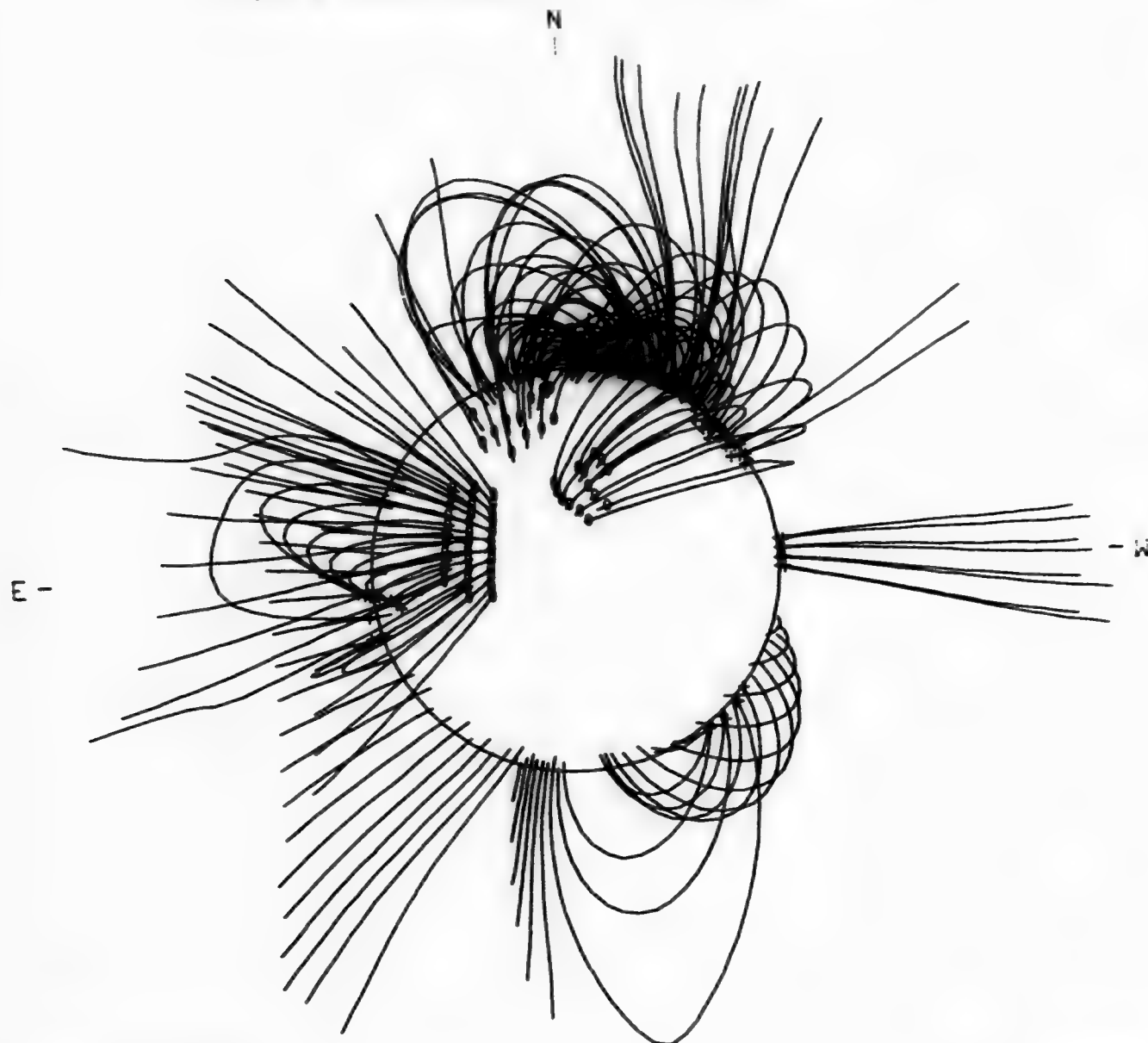
POLES DIRECT

DATA WINDOW 1459.00

ROT. 1459 LONG. 200°

9.2 OCT 1962

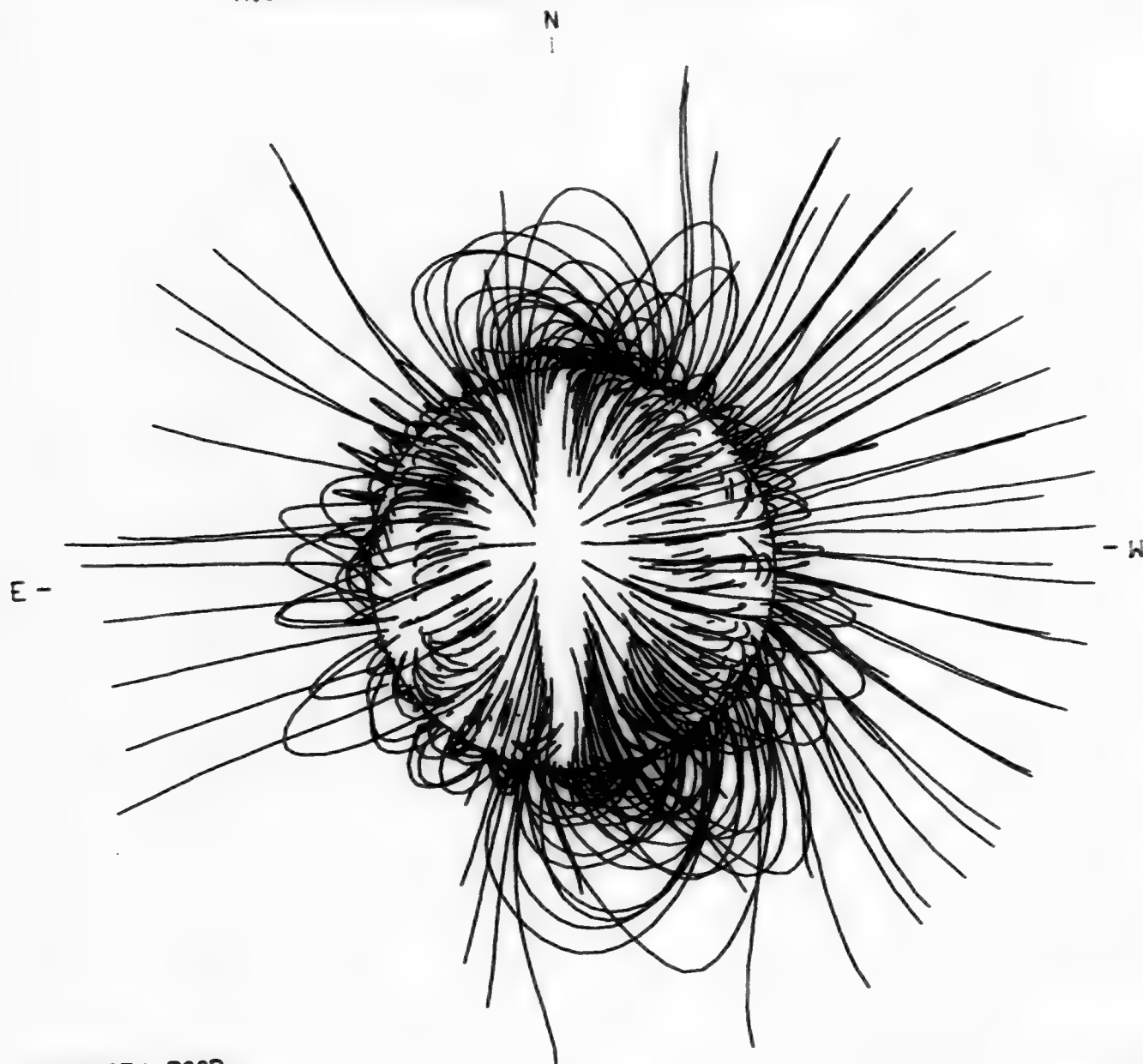
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

ROT. 1459 LONG. 200°
9.2 OCT 1962

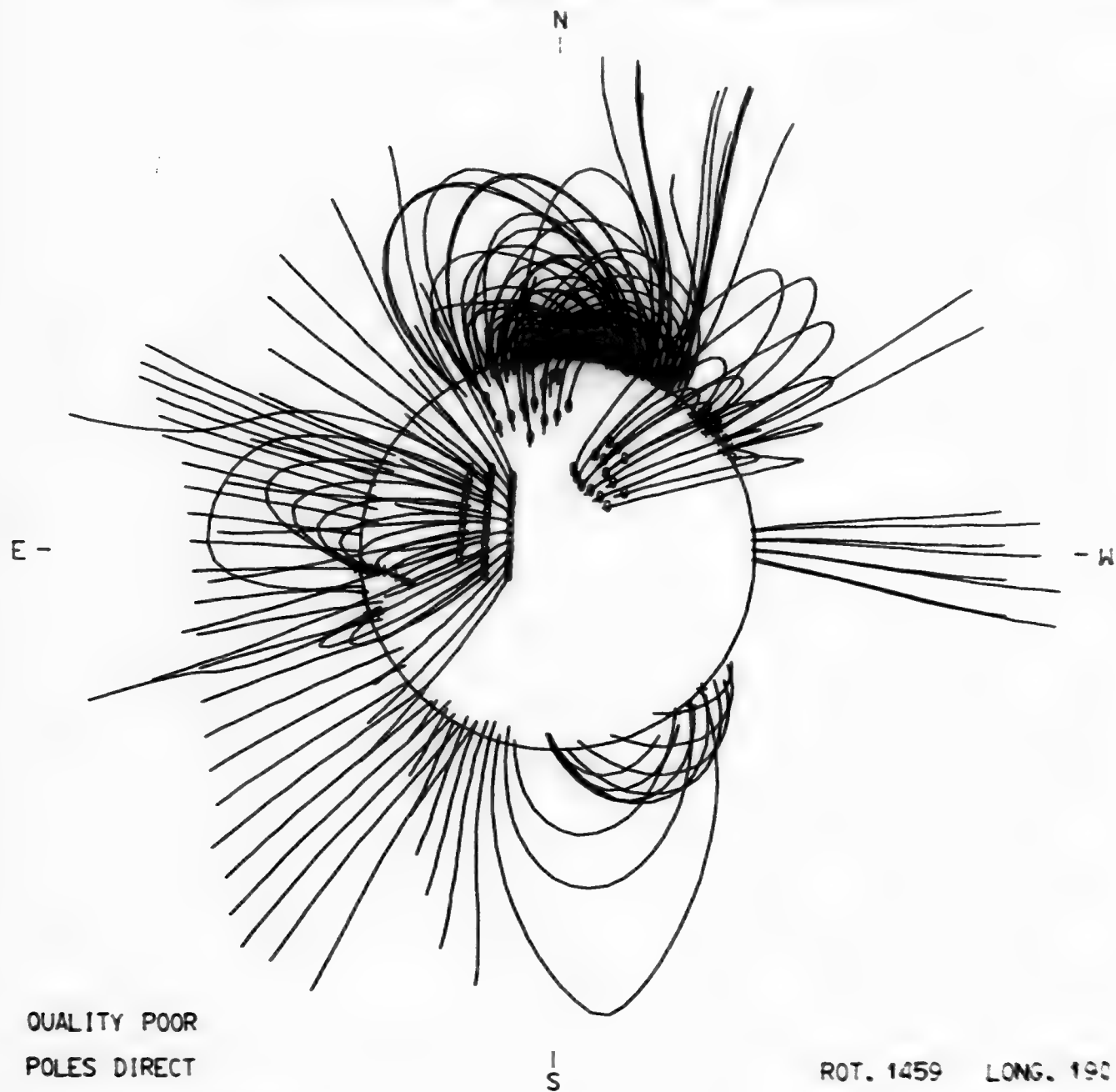
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

ROT. 1459 LONG. 190°
10.0 OCT 1962

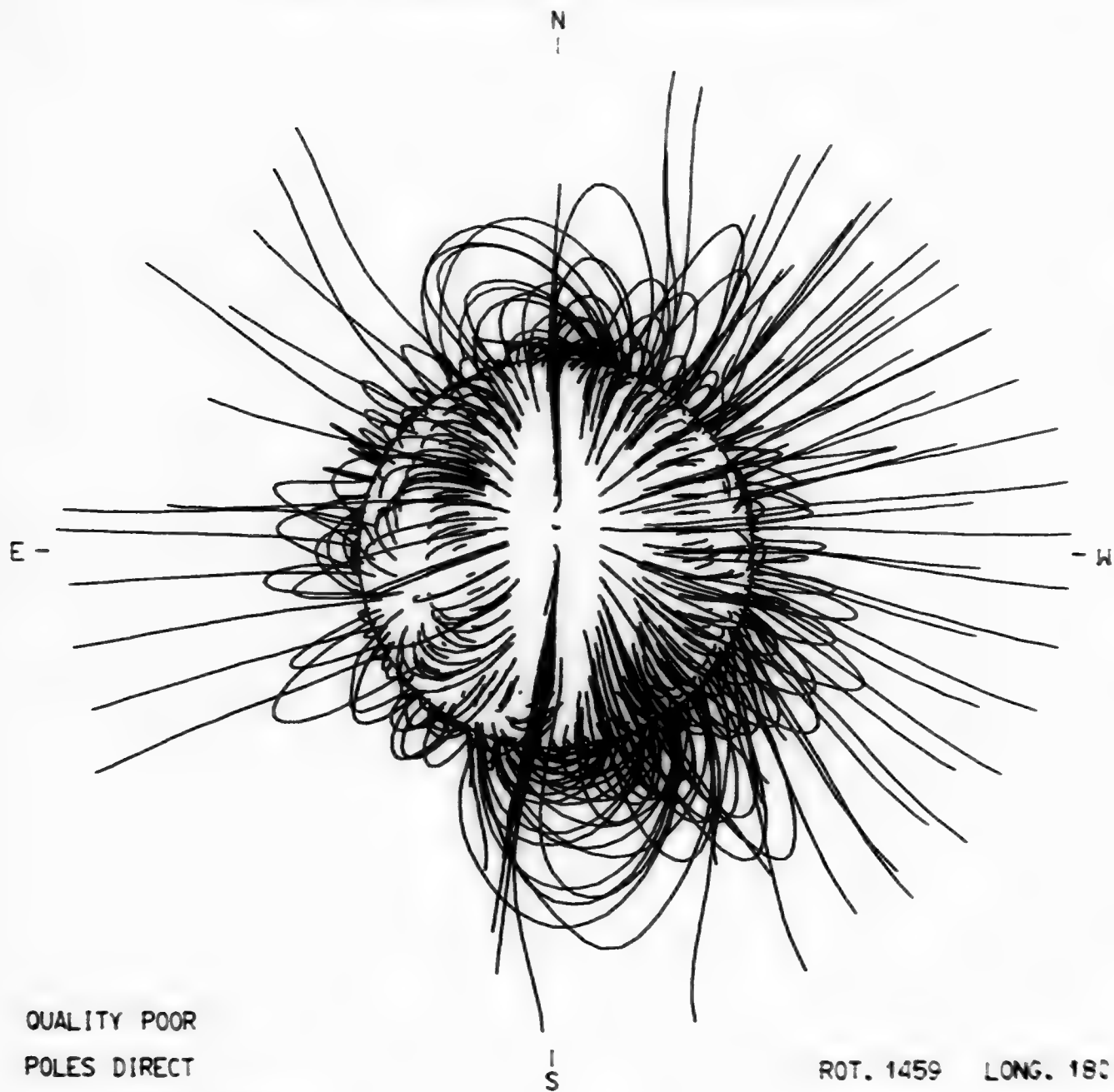
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

ROT. 1459 LONG. 190°
10.0 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



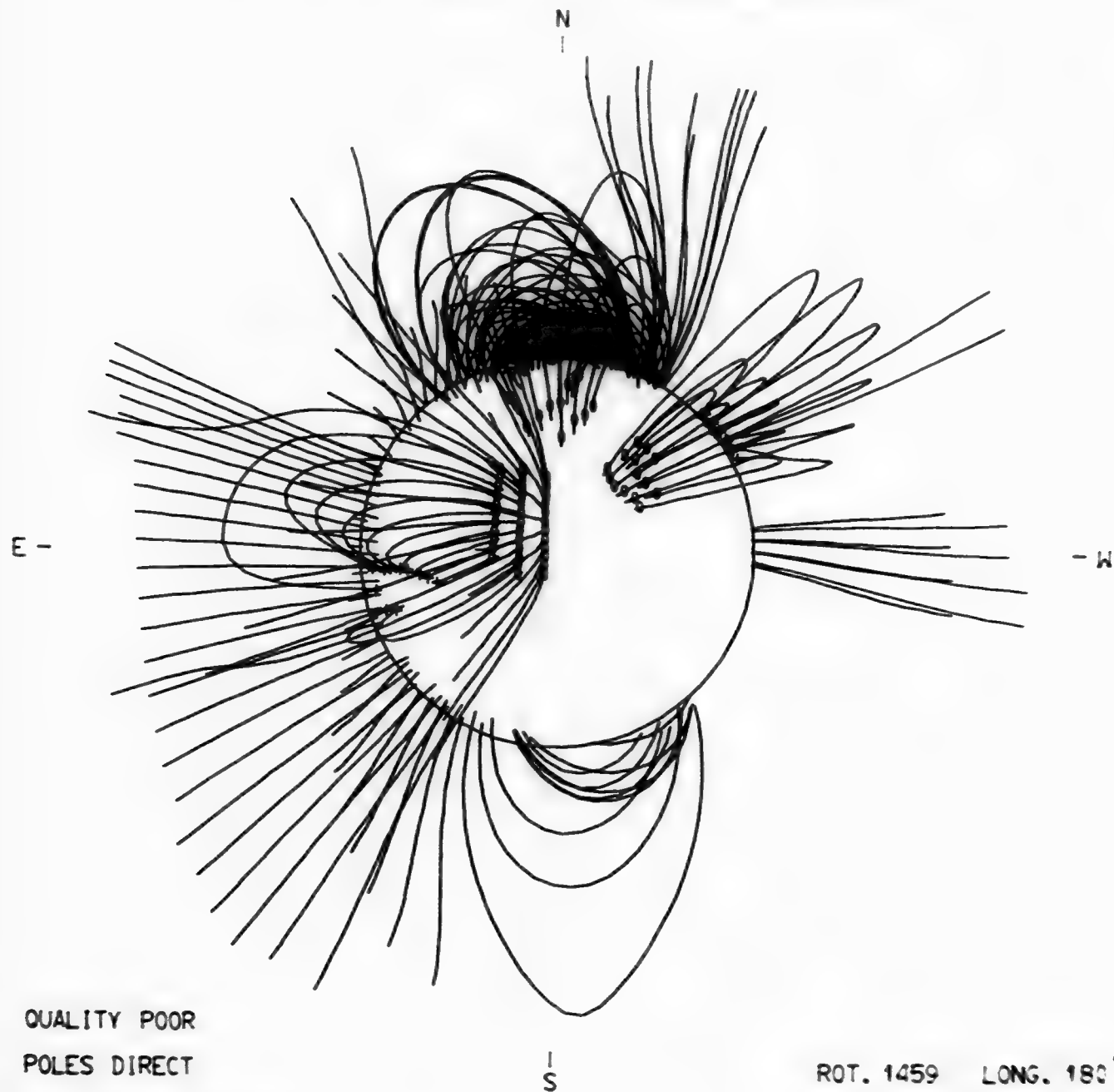
QUALITY POOR

POLES DIRECT

DATA WINDOW 1459.00

ROT. 1459 LONG. 180°
10.8 OCT 1962

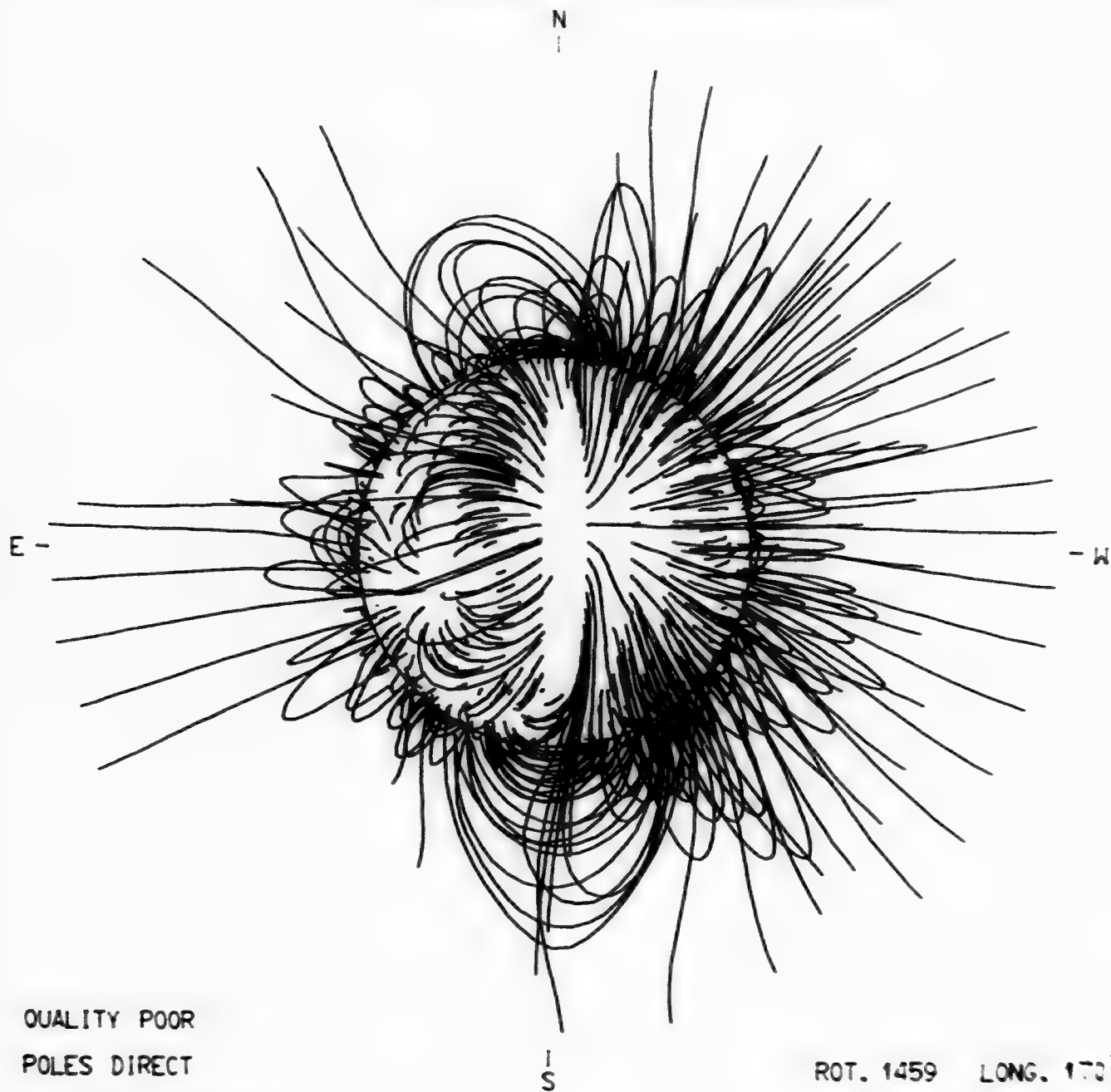
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

ROT. 1459 LONG. 180°
10.8 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

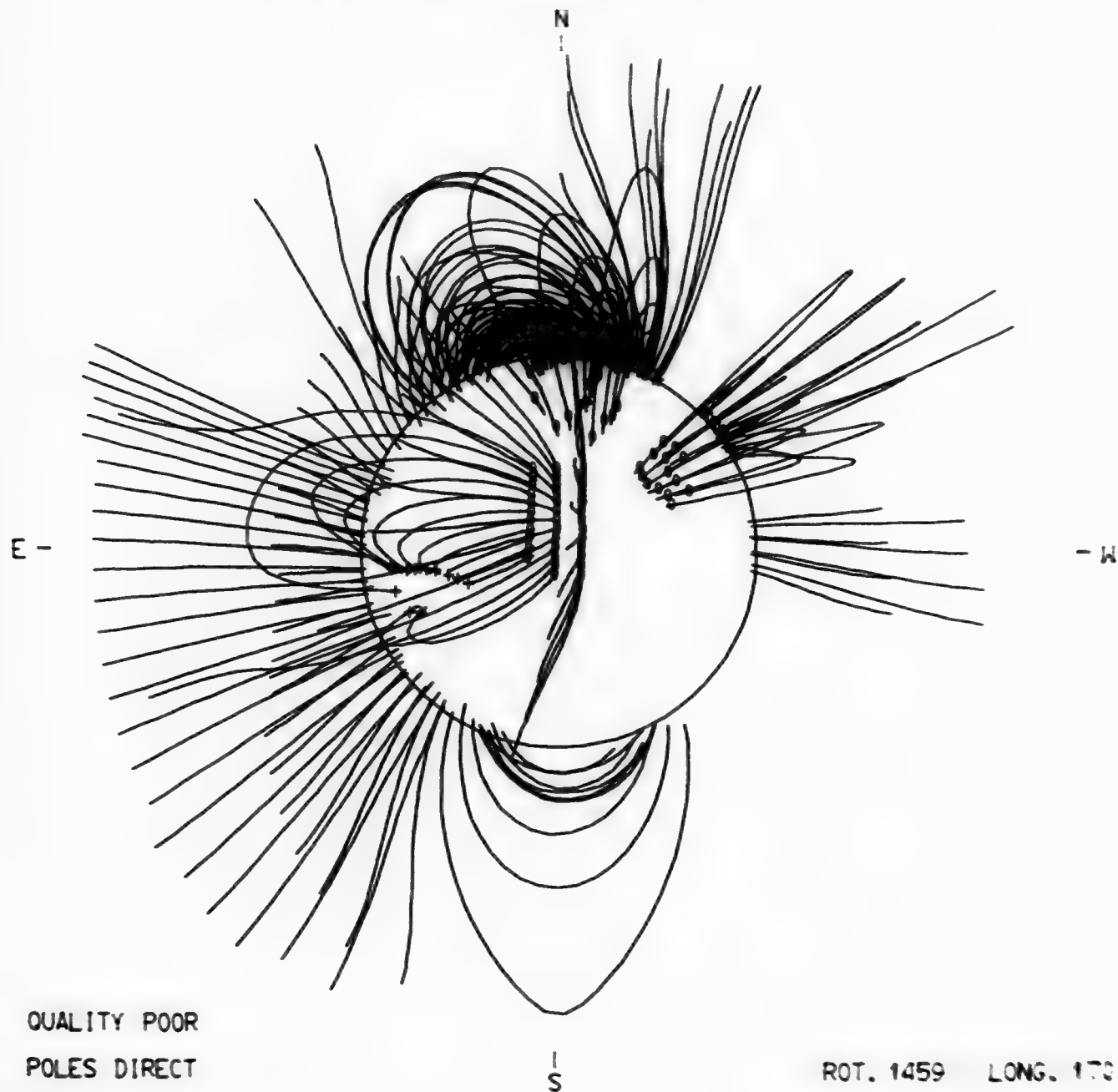
POLES DIRECT

DATA WINDOW 1459.00

ROT. 1459 LONG. 170°

11.5 OCT 1962

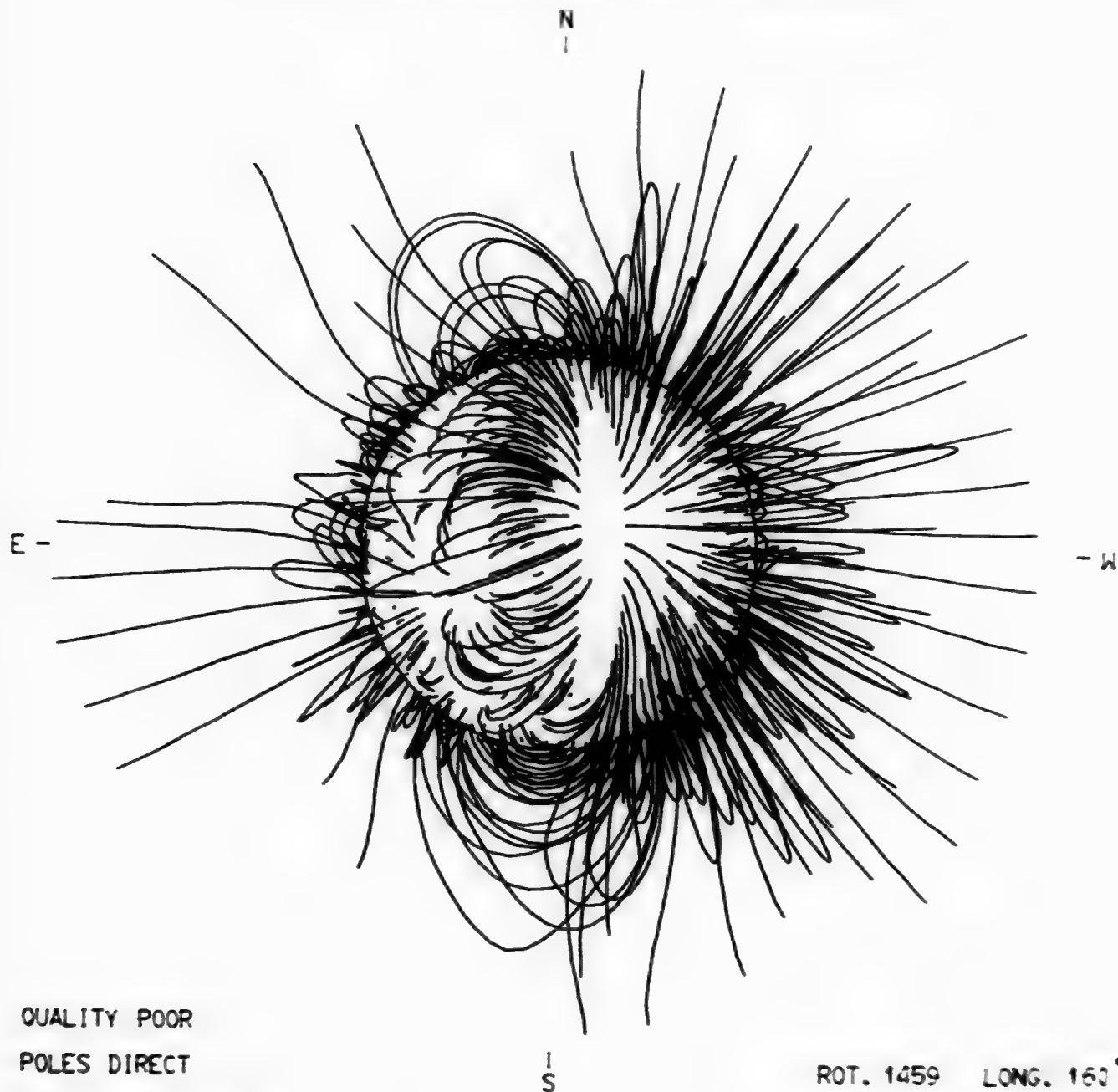
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

ROT. 1459 LONG. 170°
11.5 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



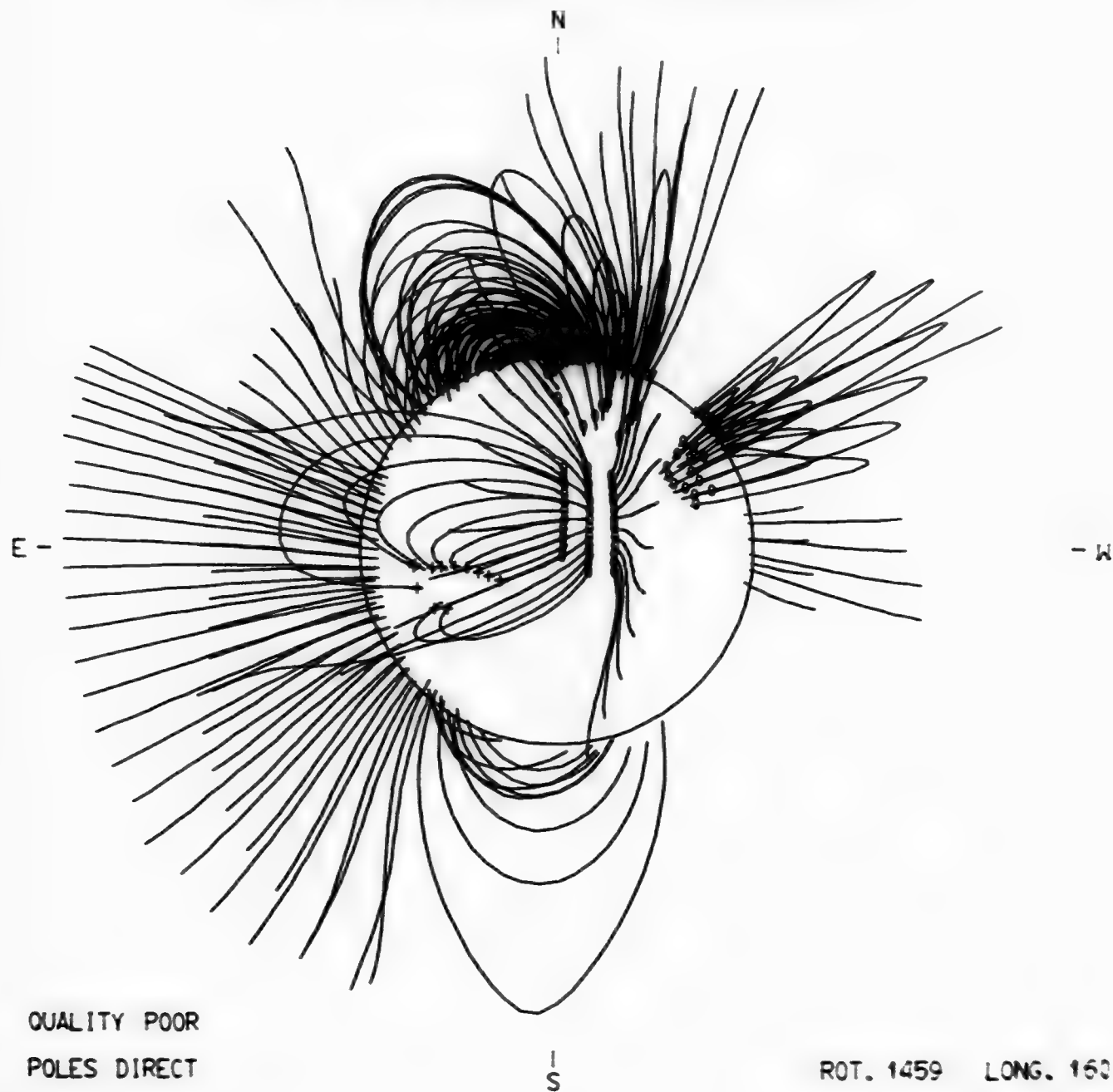
QUALITY POOR

POLES DIRECT

DATA WINDOW 1459.00

ROT. 1459 LONG. 160°
12.3 OCT 1962

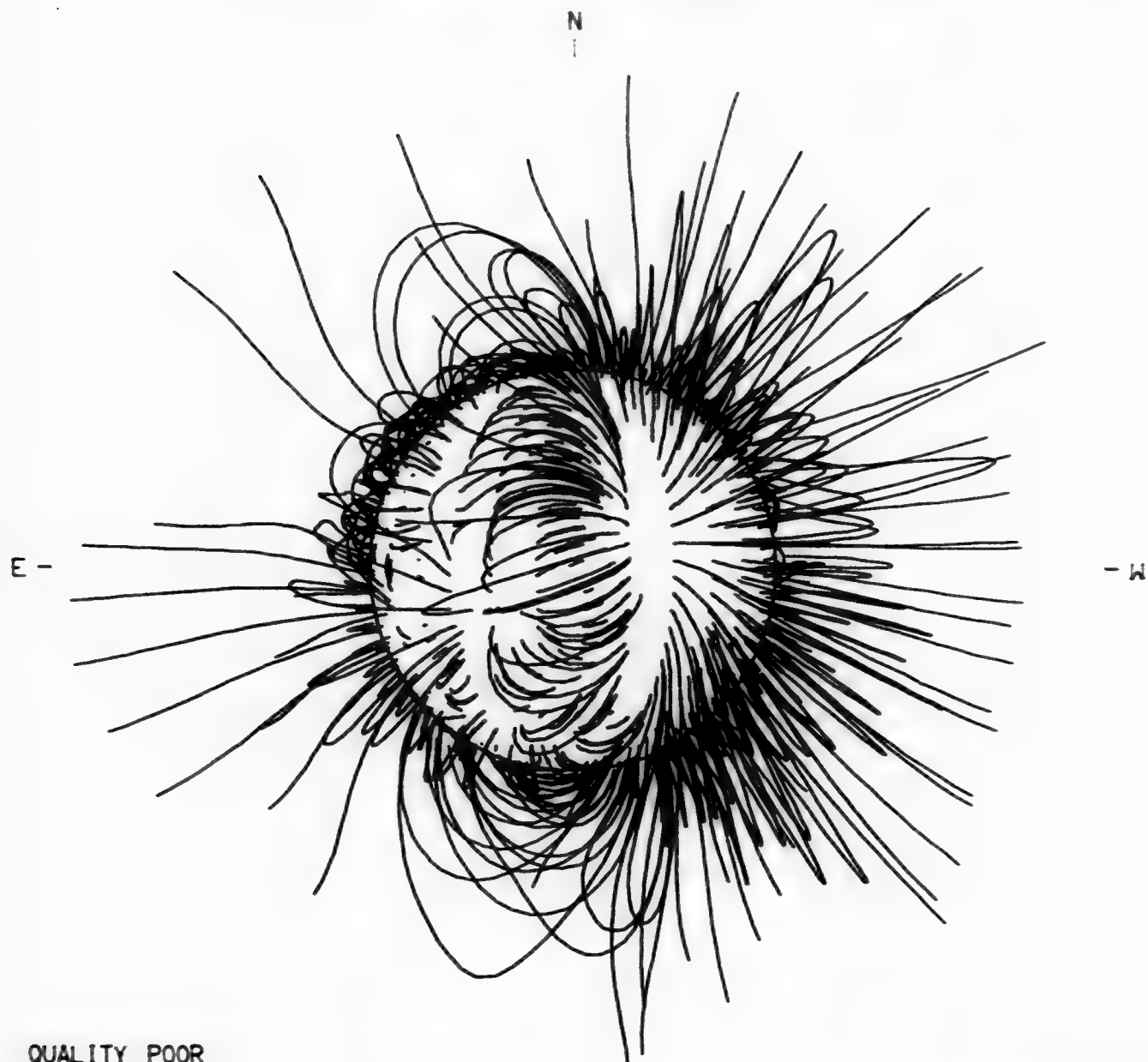
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

ROT. 1459 LONG. 160°
12.3 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

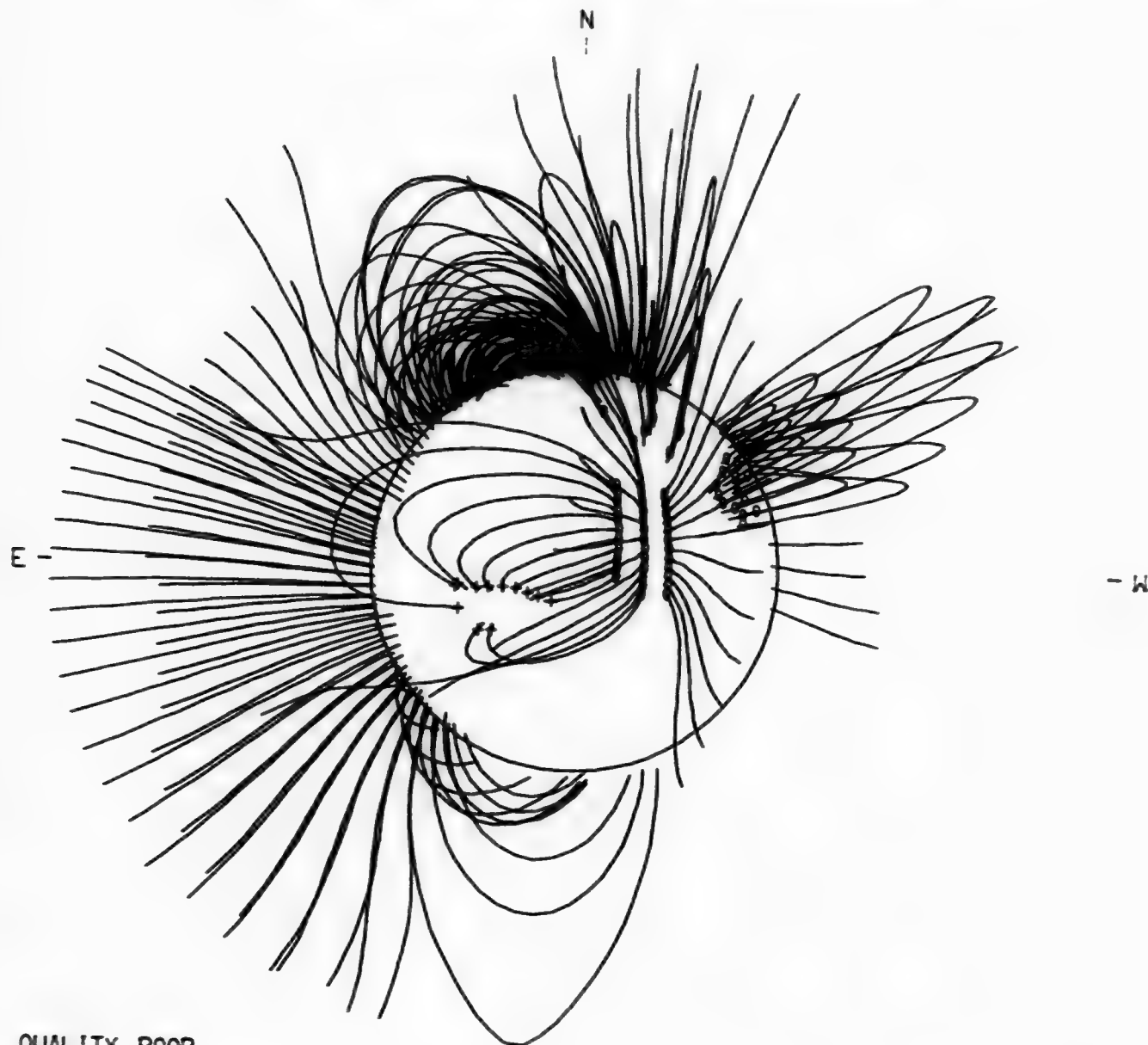
DATA WINDOW 1459.00

N
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ROT. 1459 LONG. 150°

13.0 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

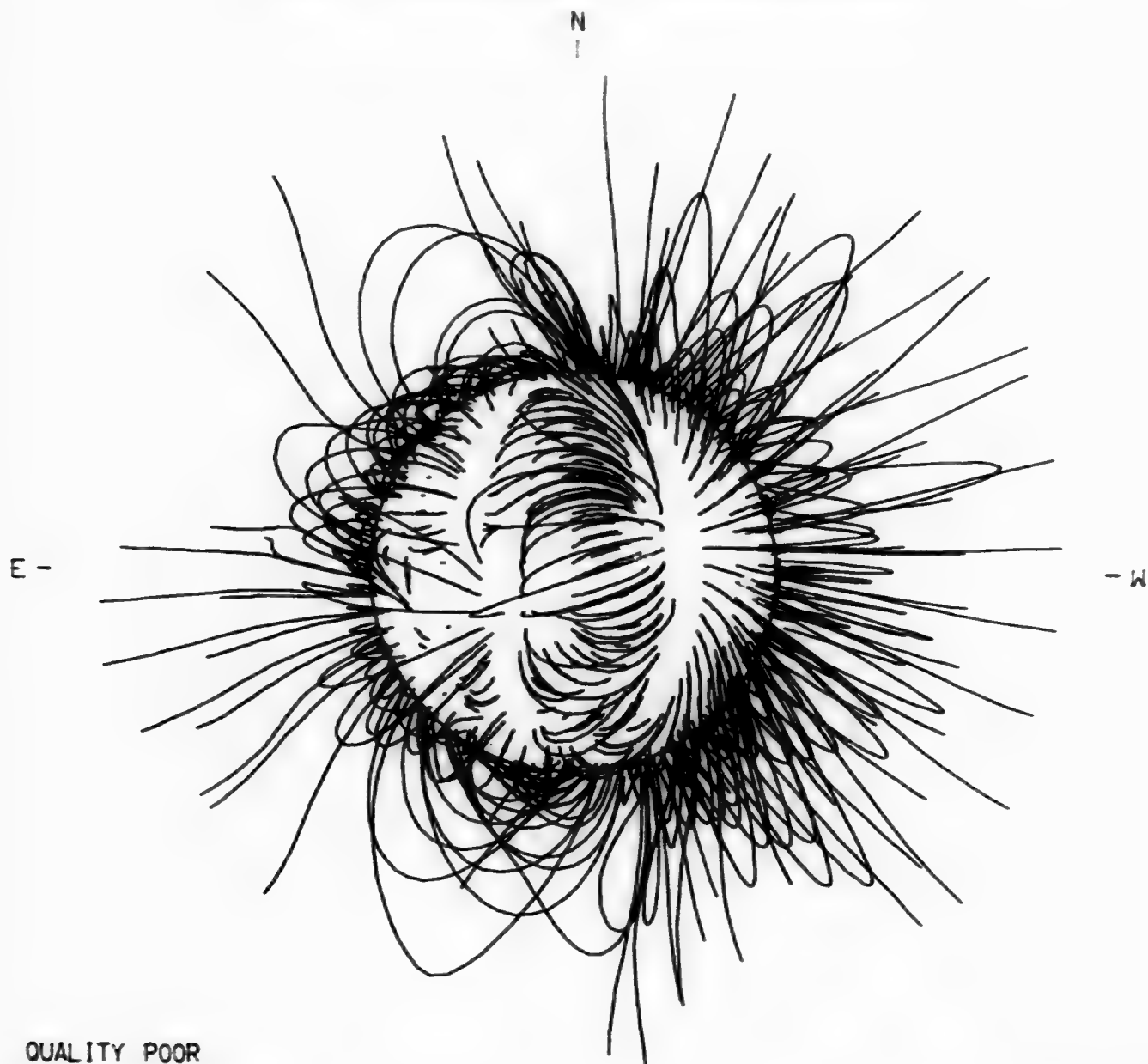


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

I
S

ROT. 1459 LONG. 150°
13.0 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

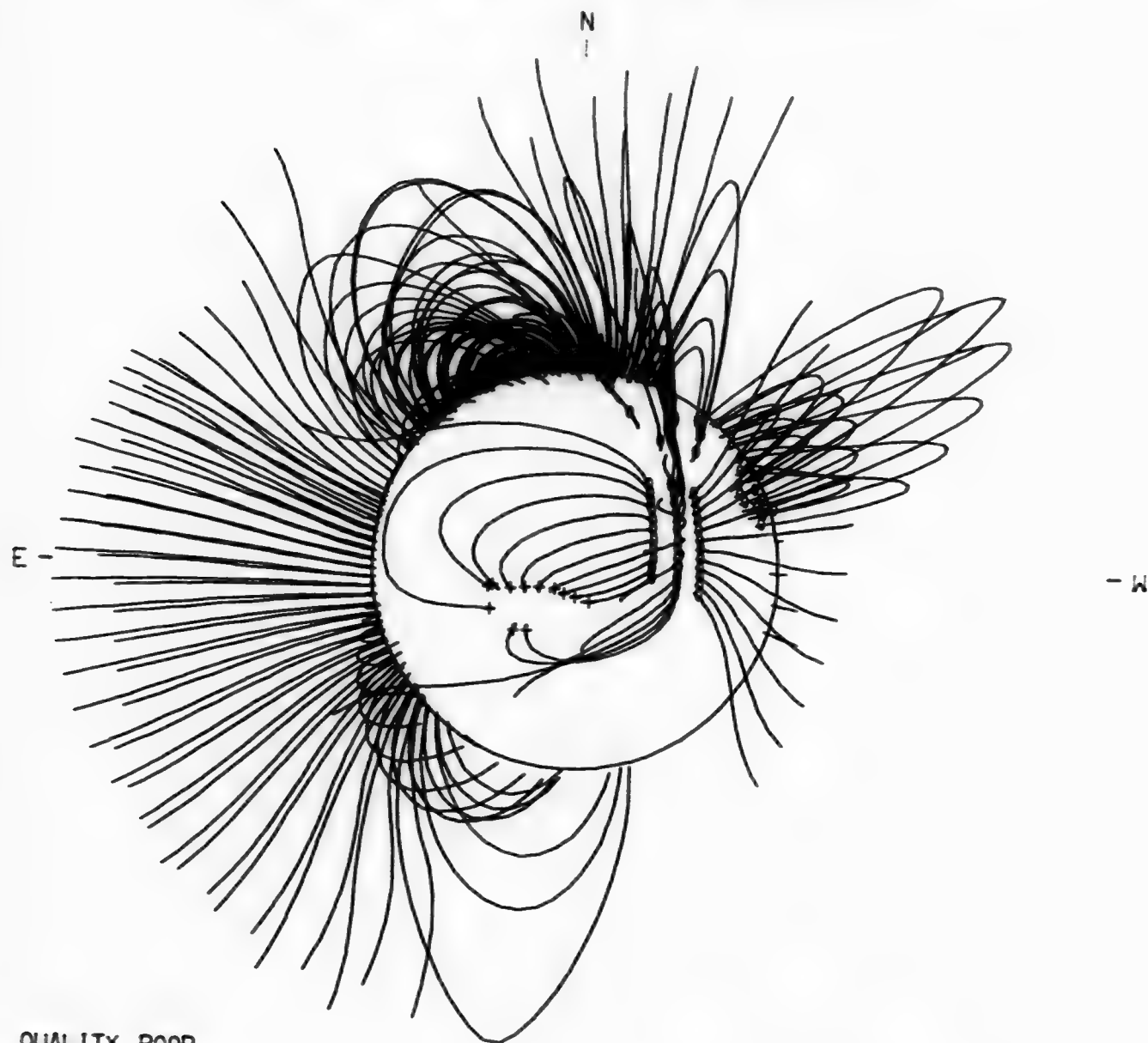
DATA WINDOW 1459.00

S

ROT. 1459 LONG. 140°

13.8 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

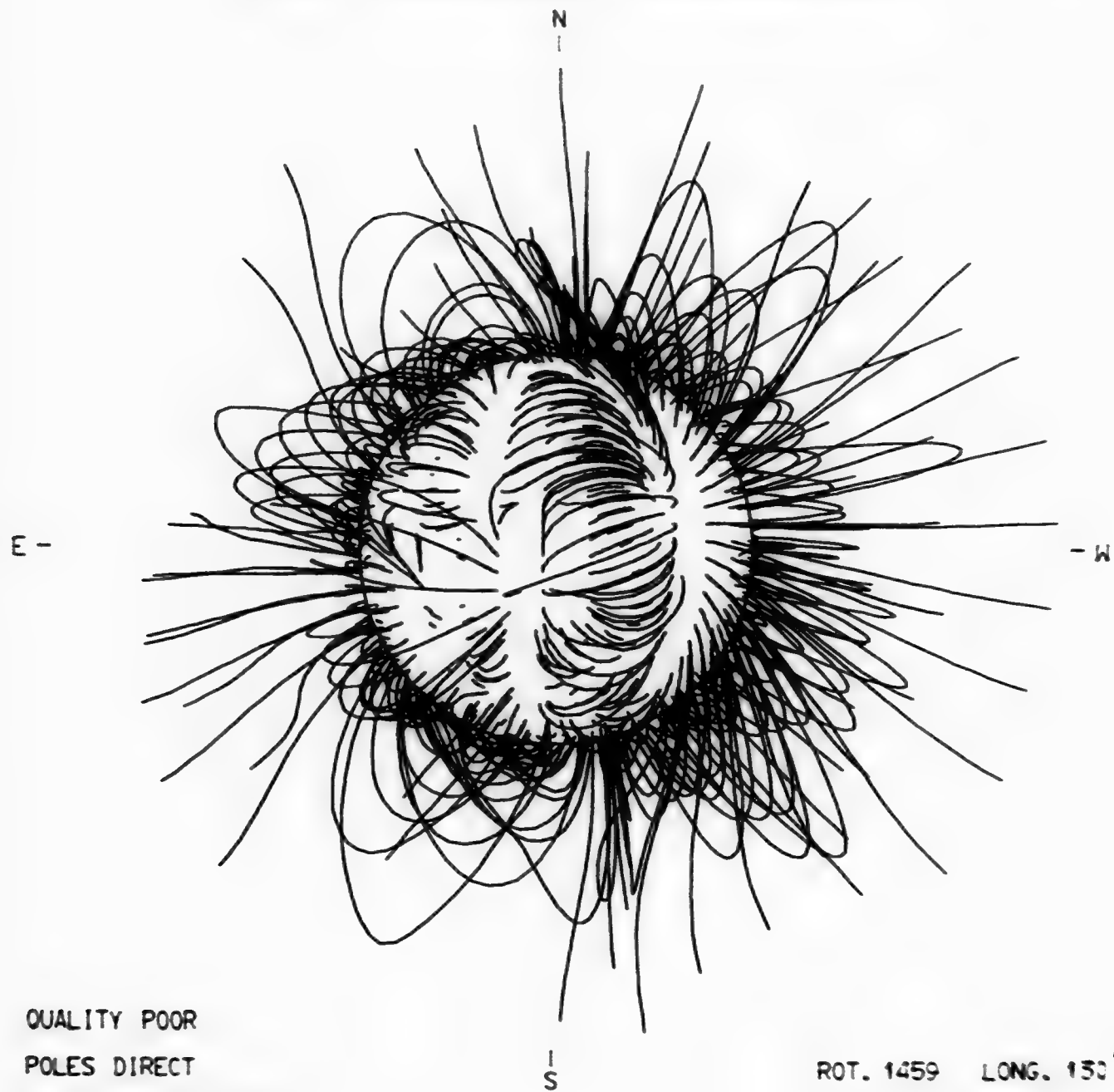


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

I
S

ROT. 1459 LONG. 140°
13.8 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

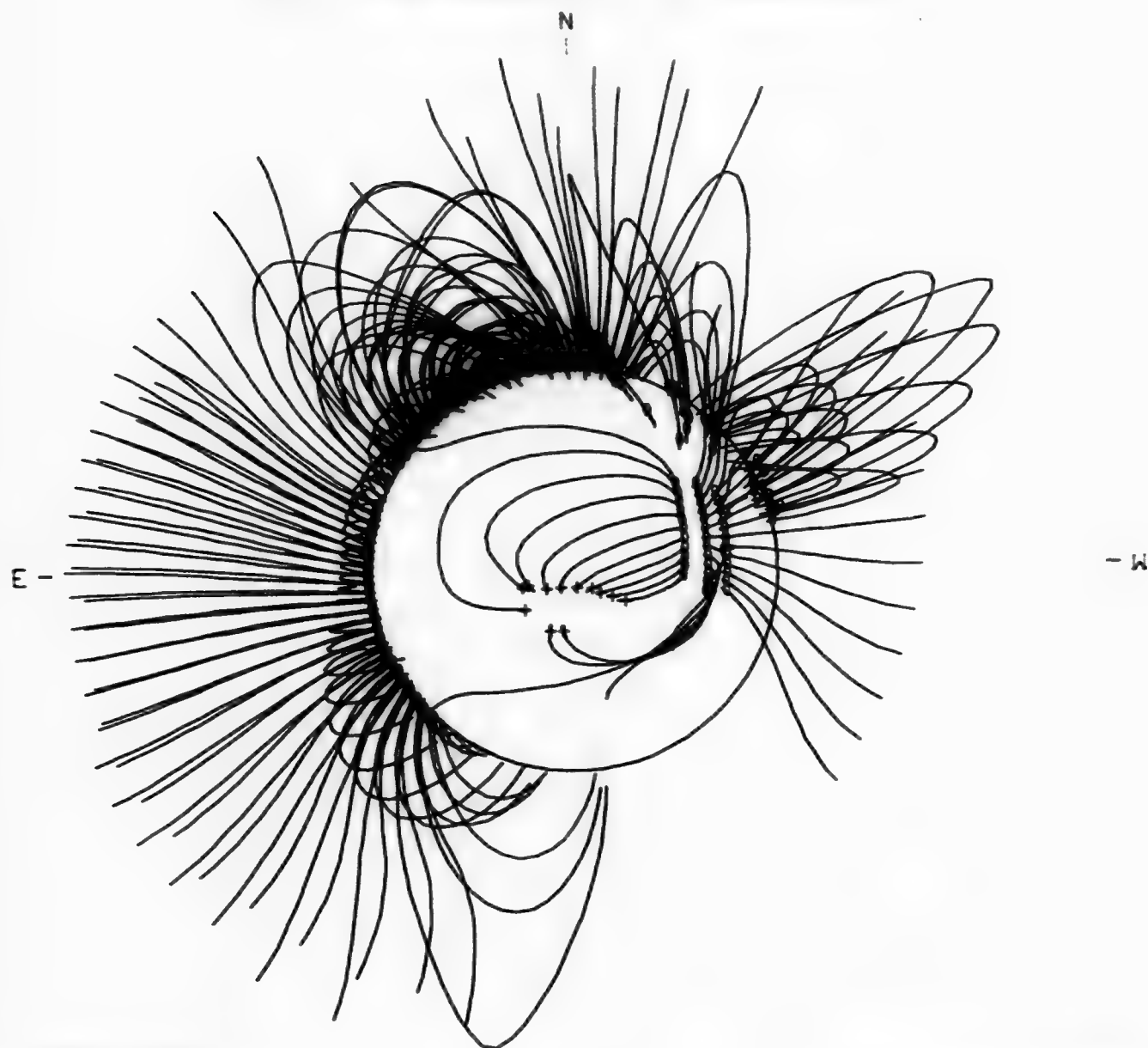
POLES DIRECT

DATA WINDOW 1459.00

ROT. 1459 LONG. 130°

14.5 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

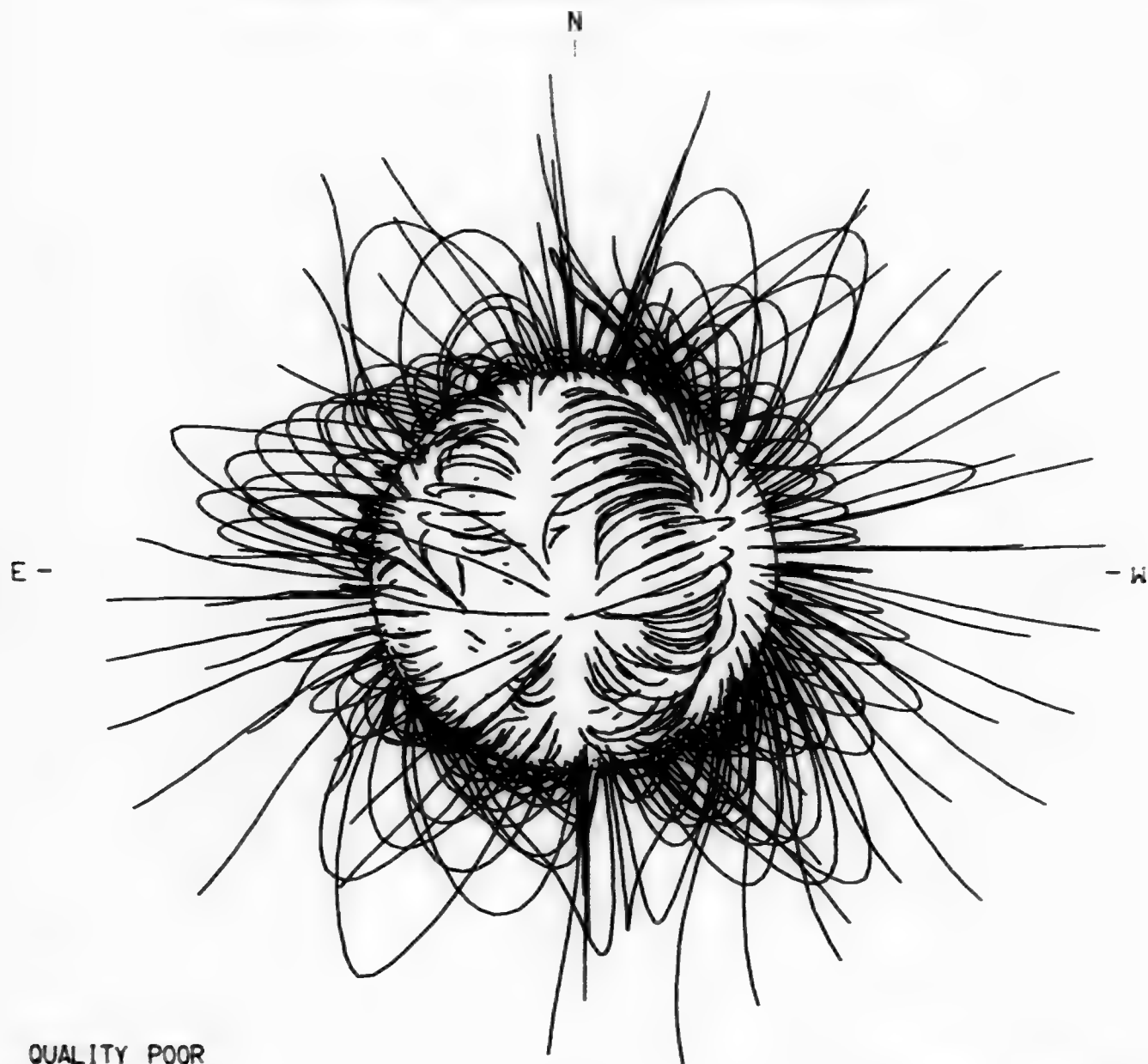


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

I
S

ROT. 1459 LONG. 130°
14.5 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

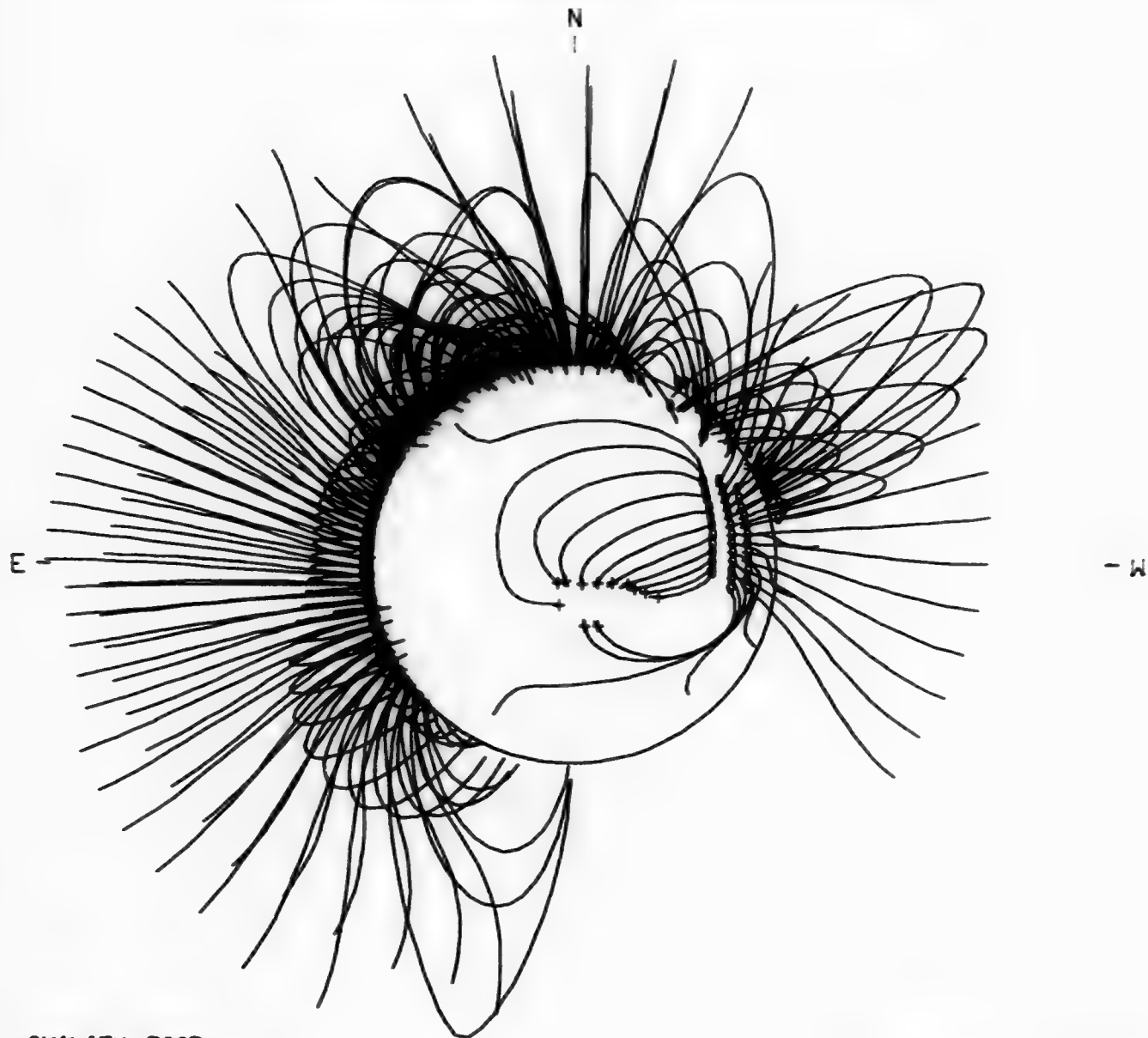
DATA WINDOW 1459.00

I
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ROT. 1459 LONG. 120°

15.3 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

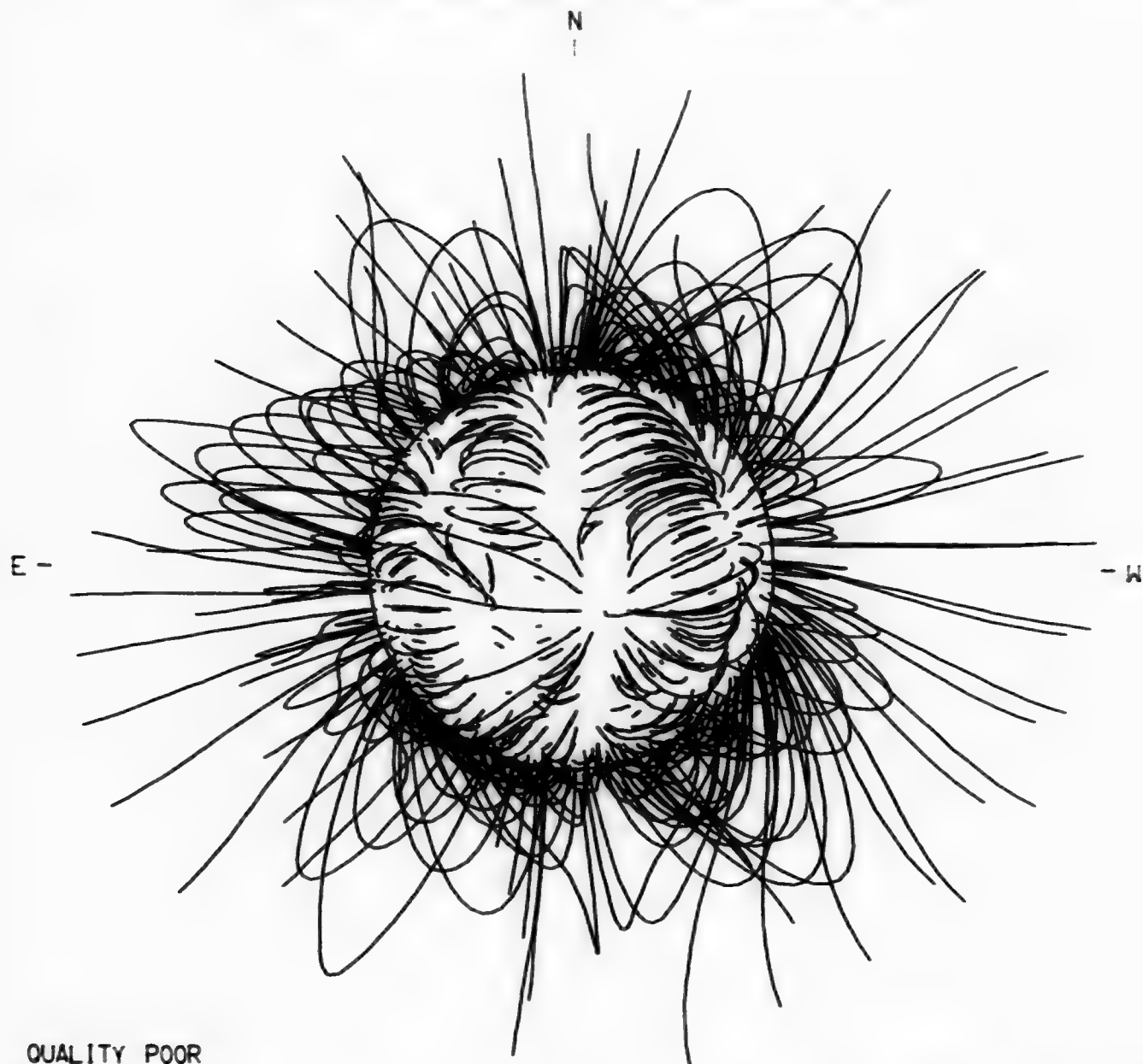


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

I
S

ROT. 1459 LONG. 120°
15.3 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

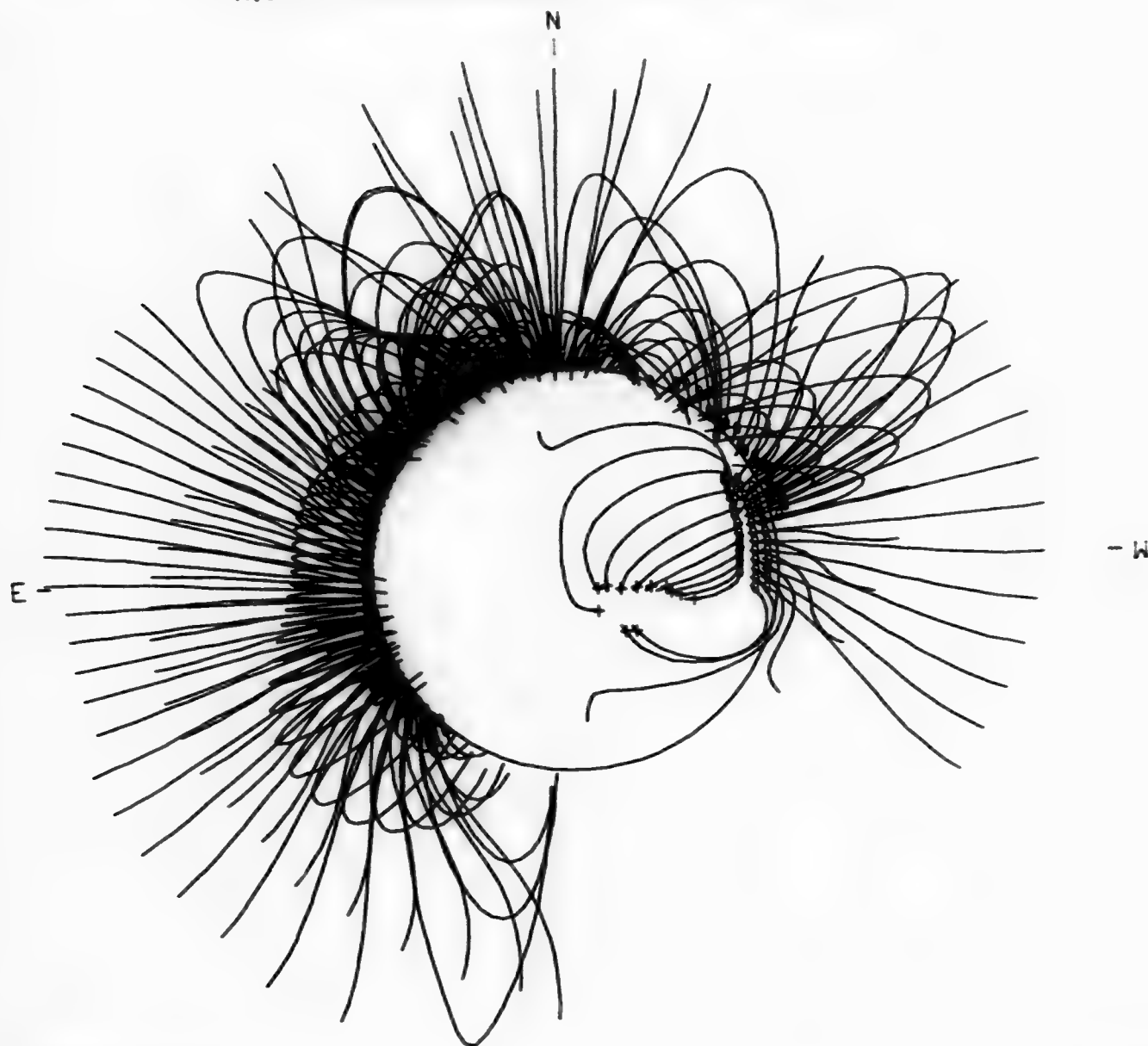
DATA WINDOW 1459.00

S

ROT. 1459 LONG. 110°

16.1 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

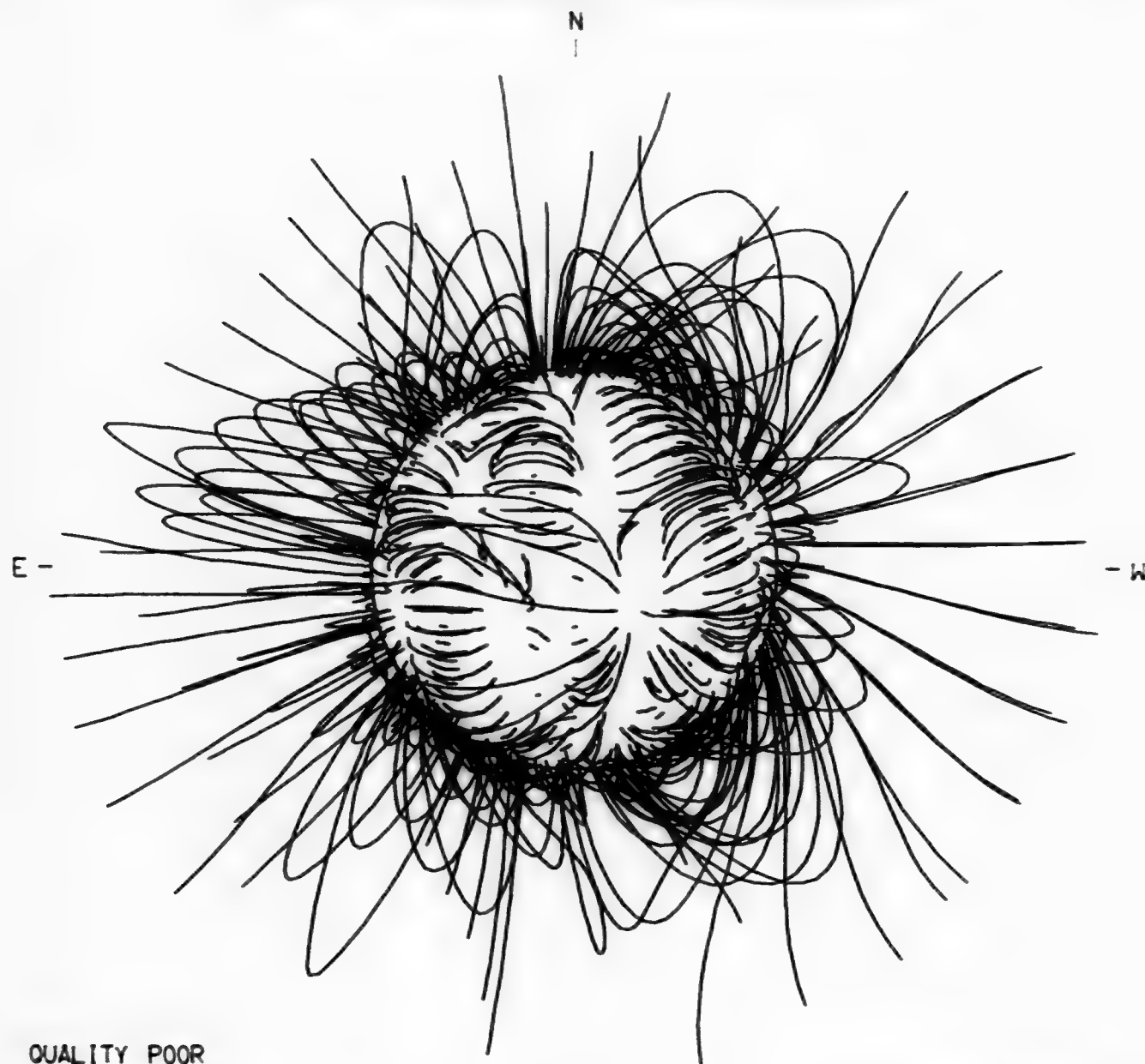


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

I
S

ROT. 1459 LONG. 110°
16.1 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

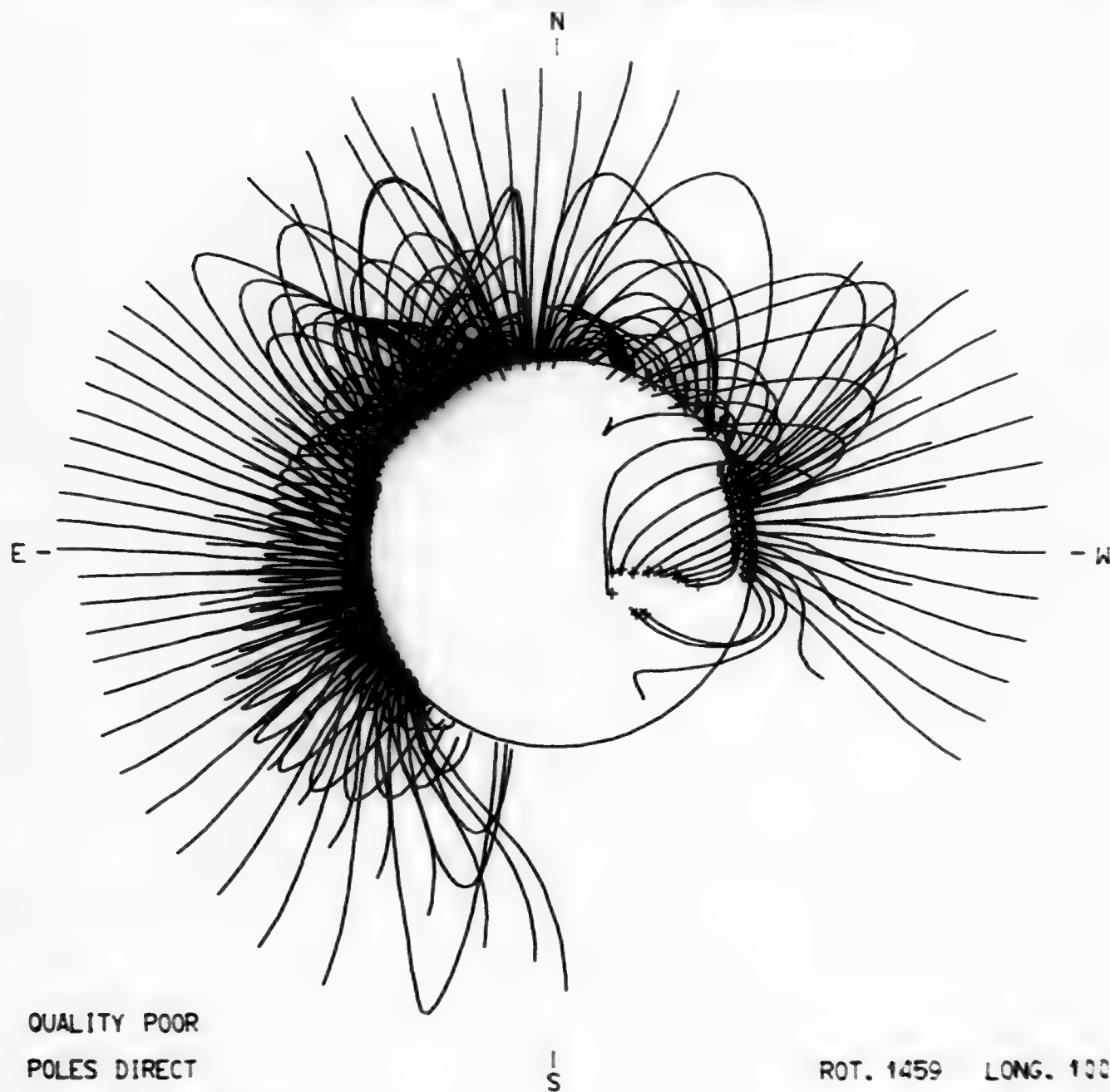
DATA WINDOW 1459.00

S

ROT. 1459 LONG. 100°

16.8 OCT 1962

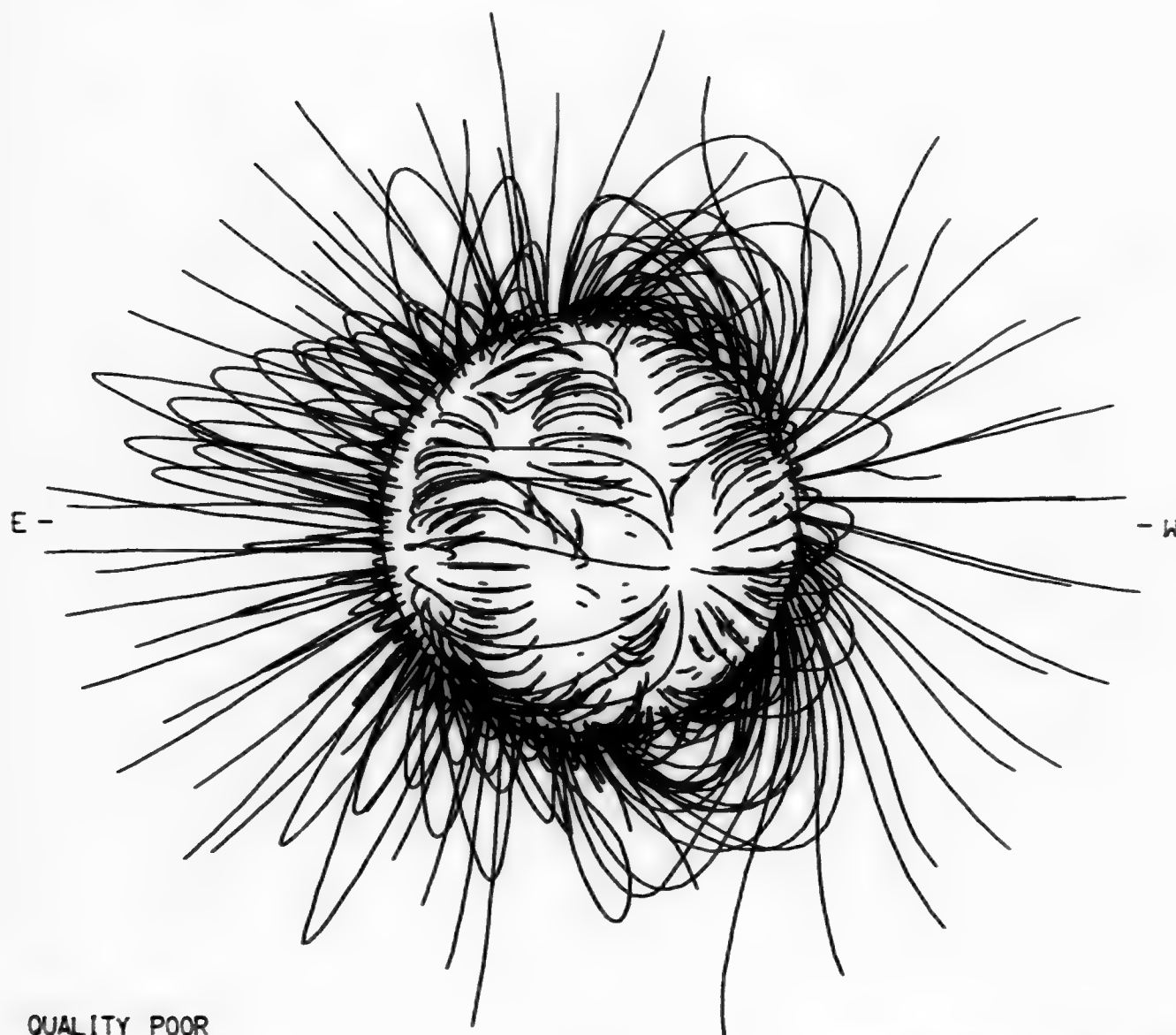
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

ROT. 1459 LONG. 100°
16.8 OCT 1962

N

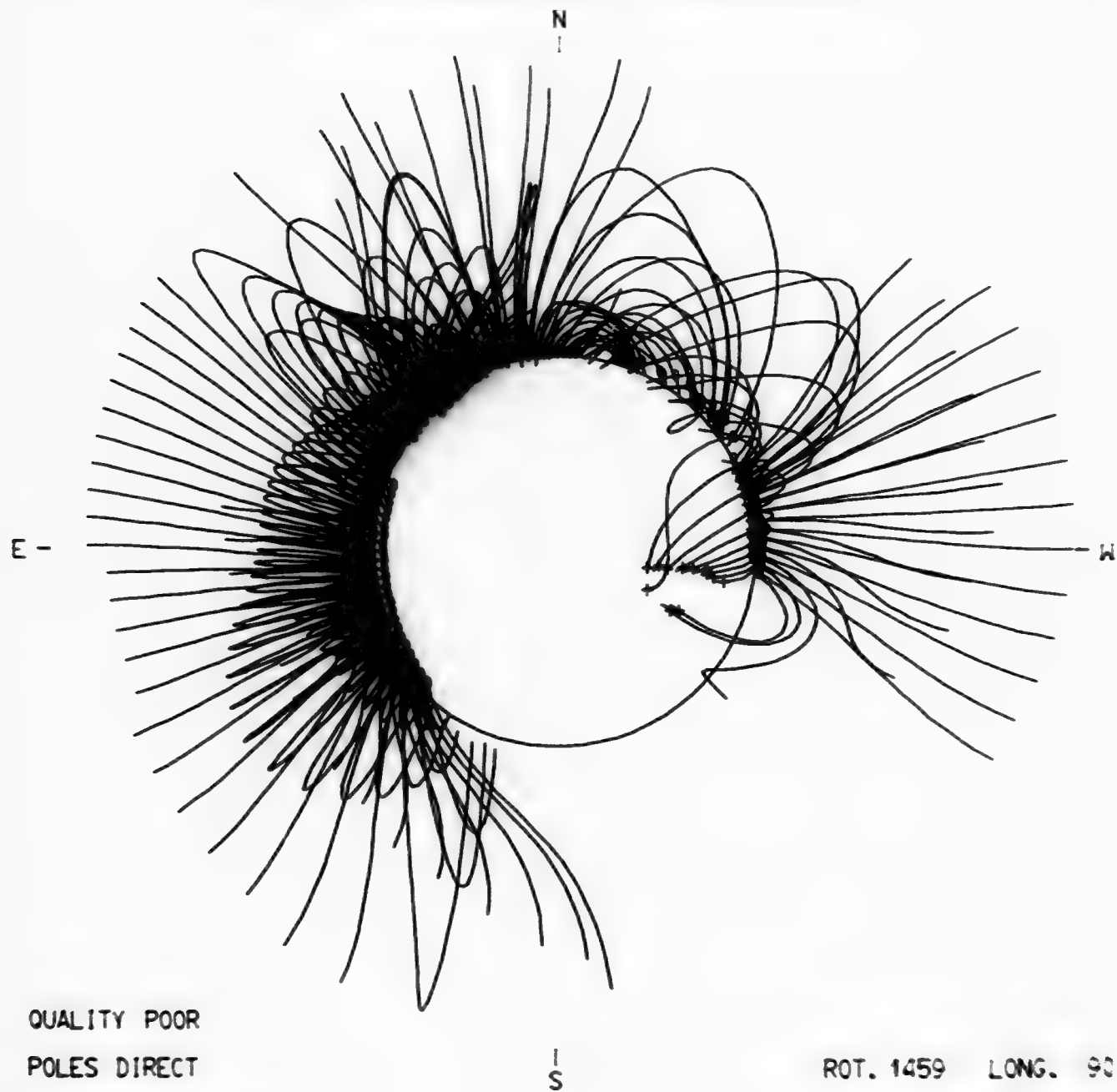


13

ROT. 1459 LONG. 90°

17.6 OCT 1962

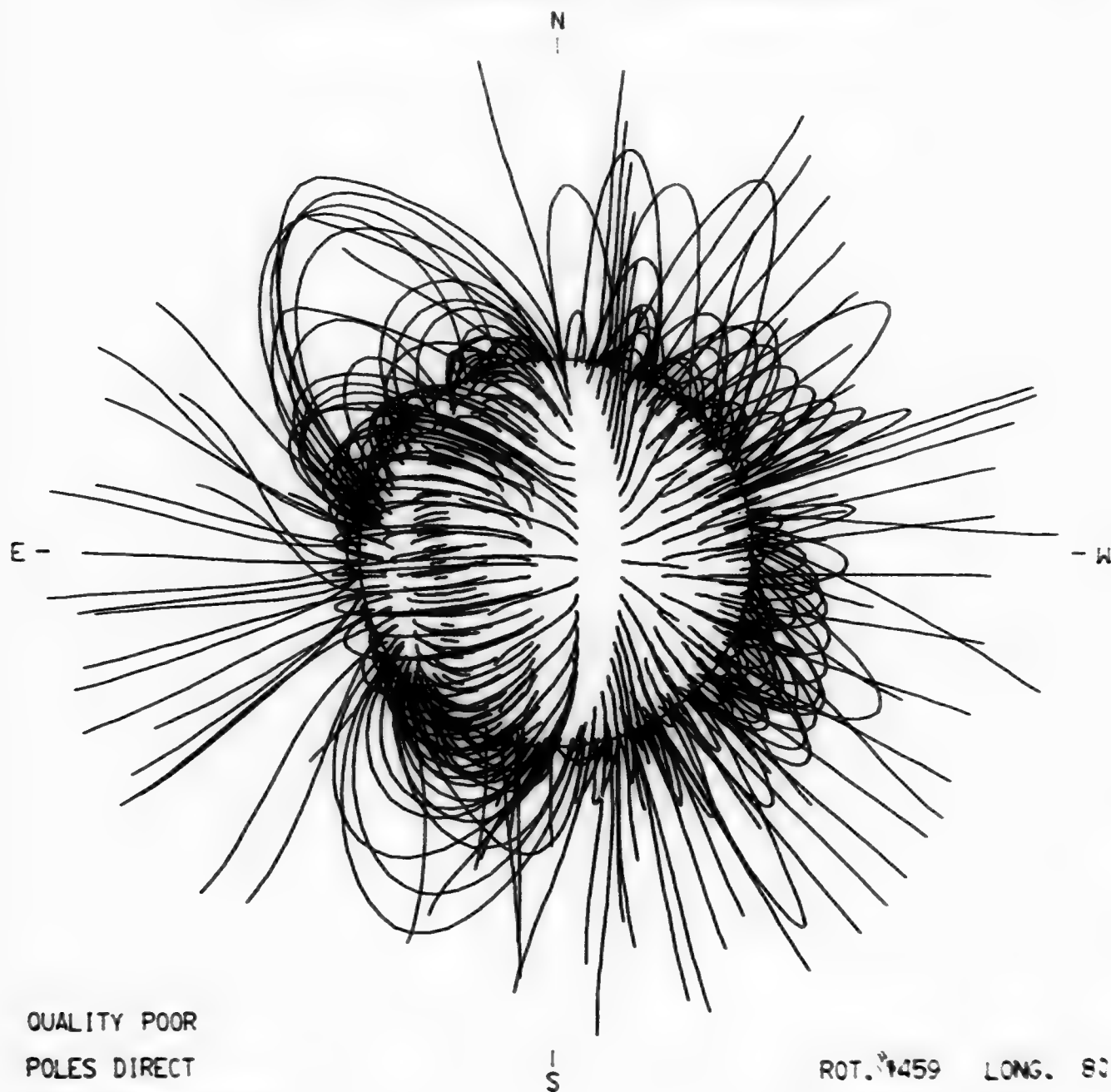
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.00

ROT. 1459 LONG. 90°
17.6 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

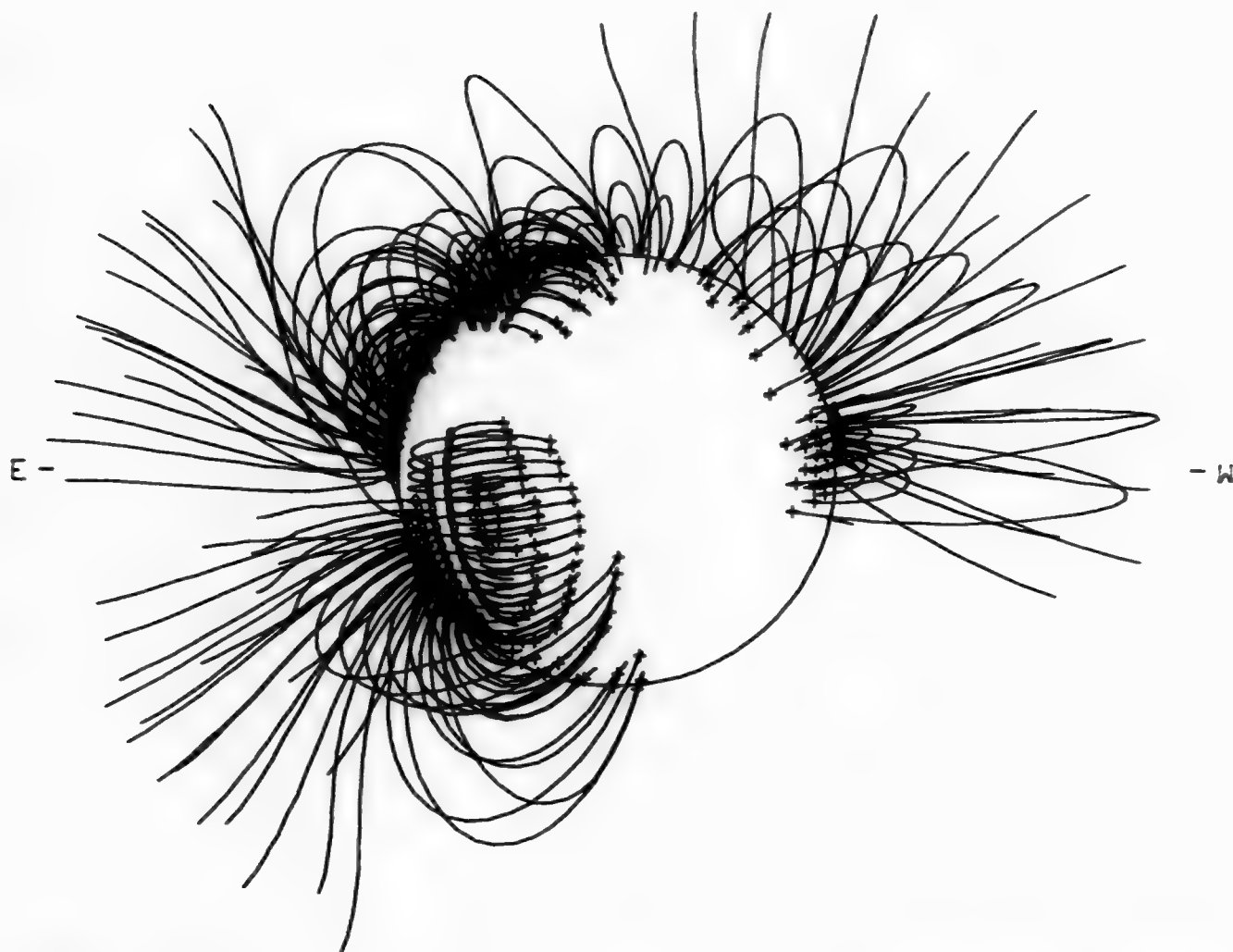
DATA WINDOW 1459.47

ROT. 1459 LONG. 80°

18.3 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I



QUALITY POOR

POLES DIRECT

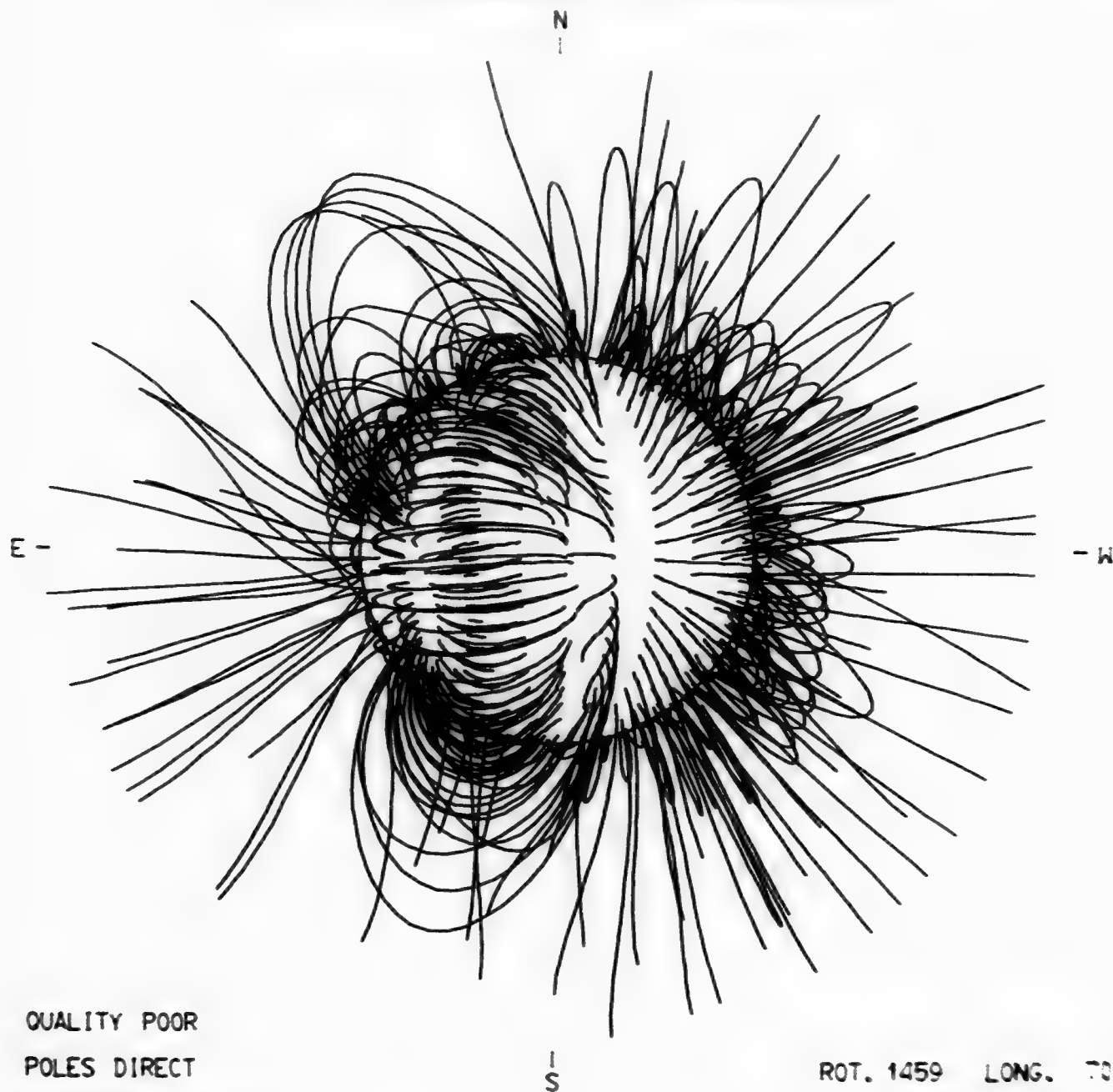
DATA WINDOW 1459.47

I
S

ROT. 1459 LONG. 80°

18.3 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

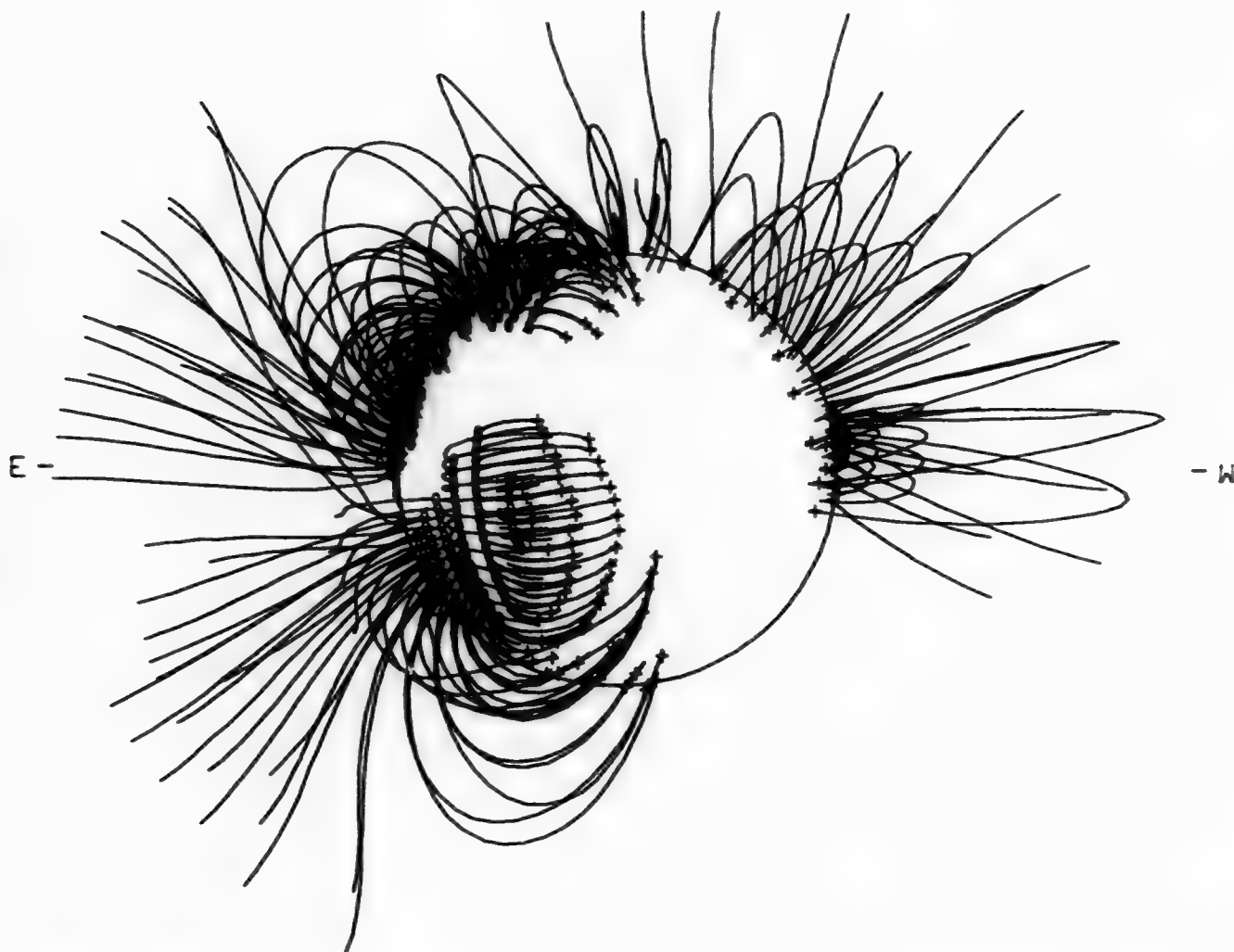
DATA WINDOW 1459.47

ROT. 1459 LONG. 70°

19.1 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|



QUALITY POOR

POLES DIRECT

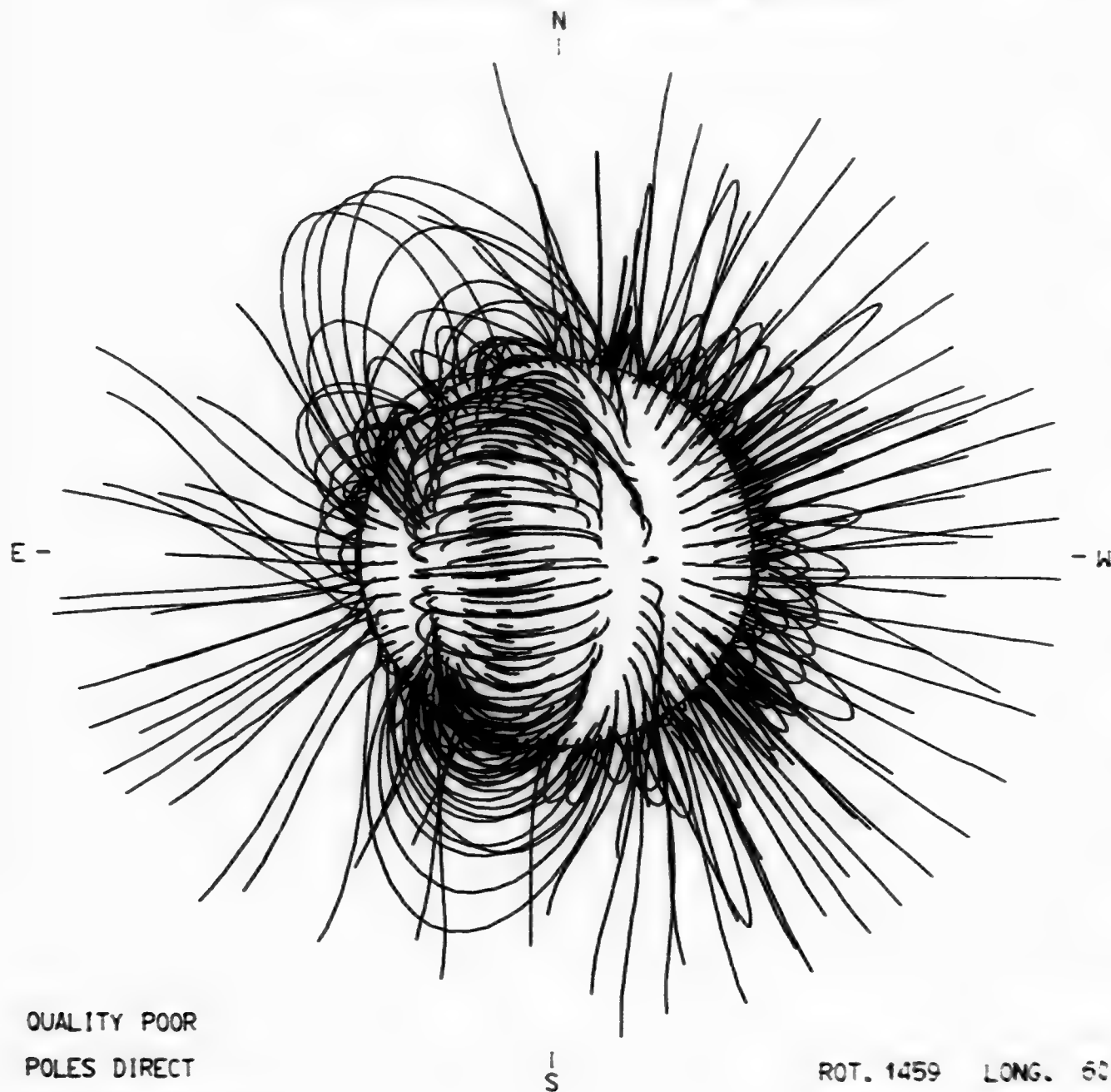
DATA WINDOW 1459.47

|
S

ROT. 1459 LONG. 70°

19.1 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

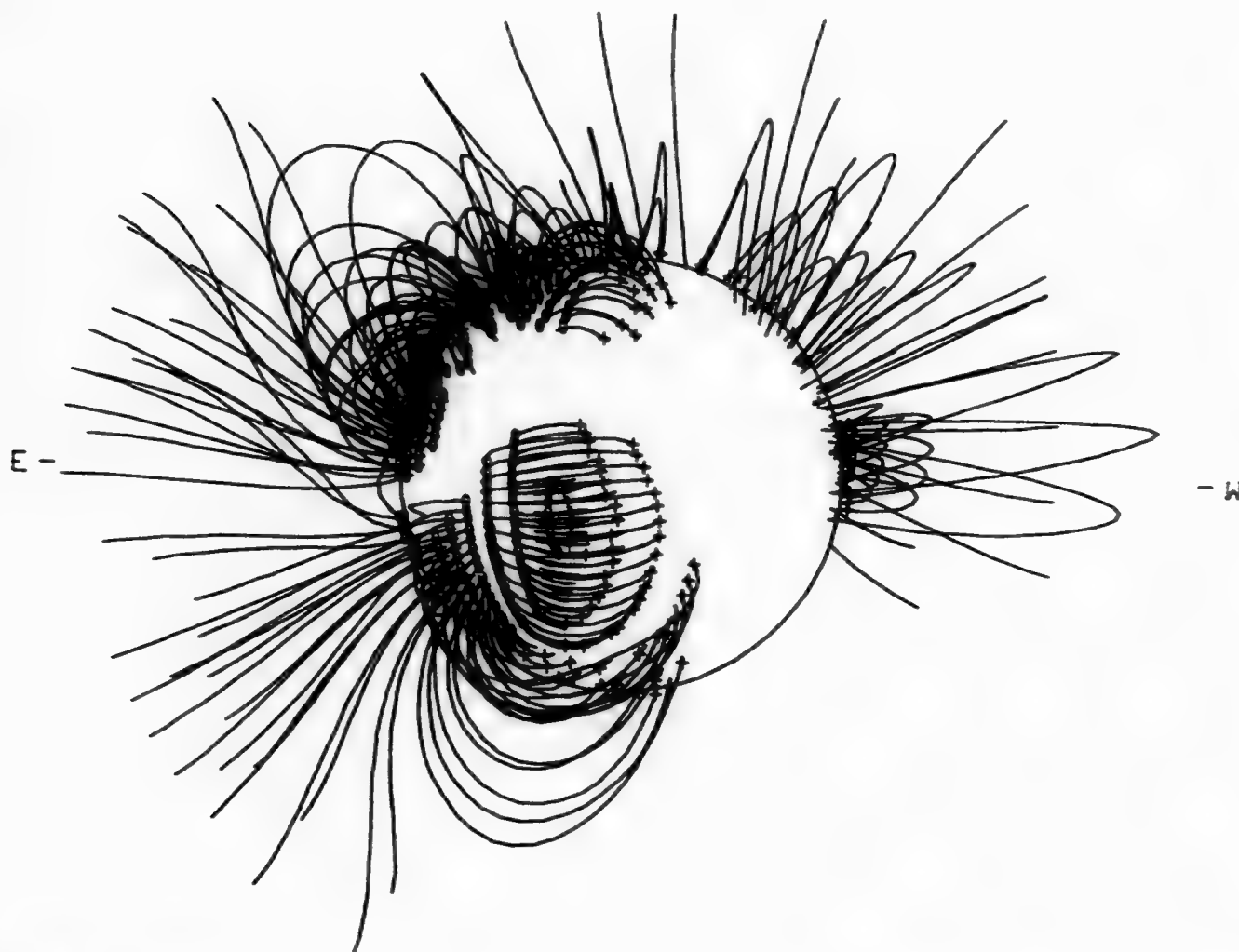
DATA WINDOW 1459.47

ROT. 1459 LONG. 60°

19.8 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

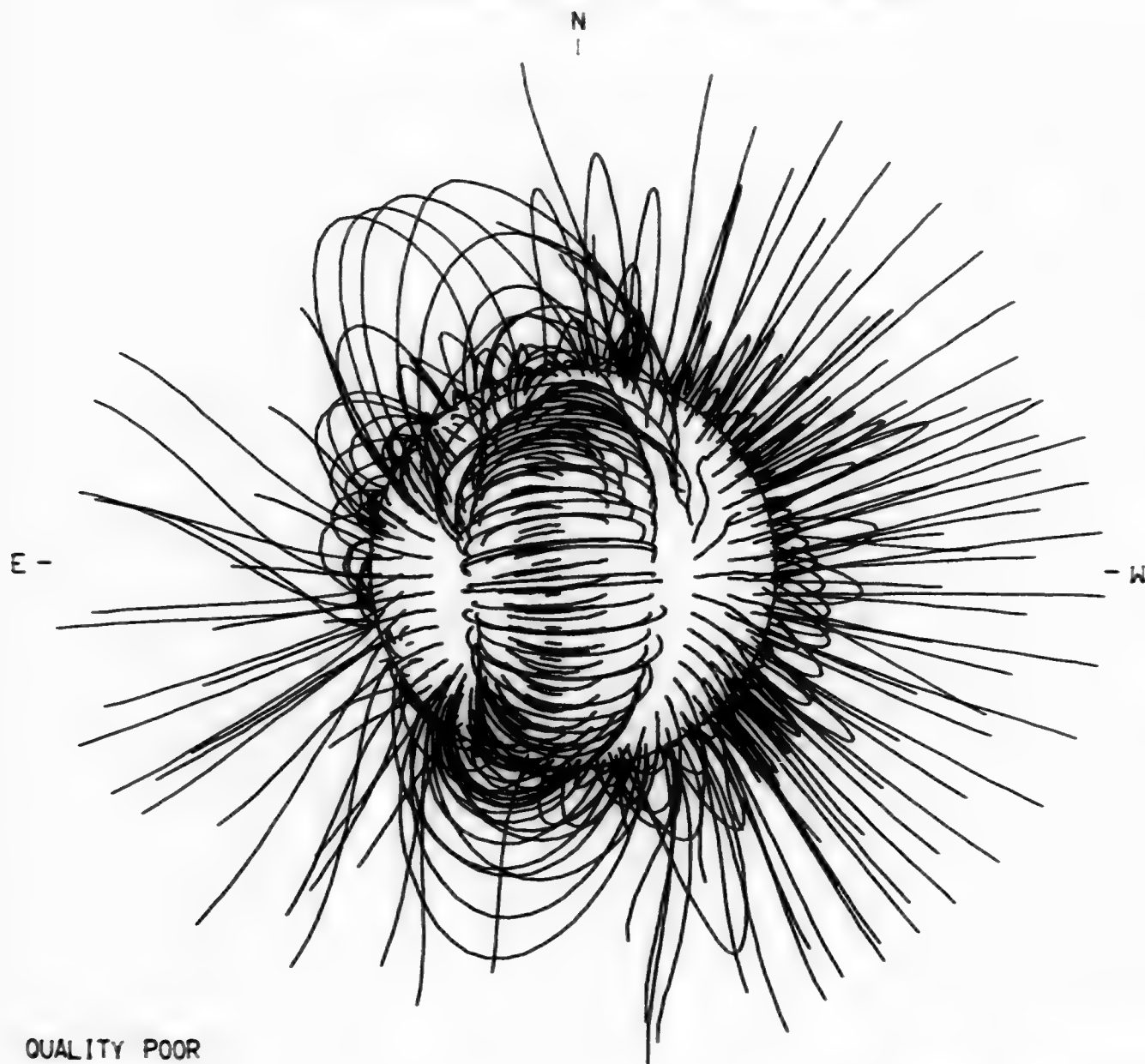


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

|
S

ROT. 1459 LONG. 63°
19.8 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1459.47

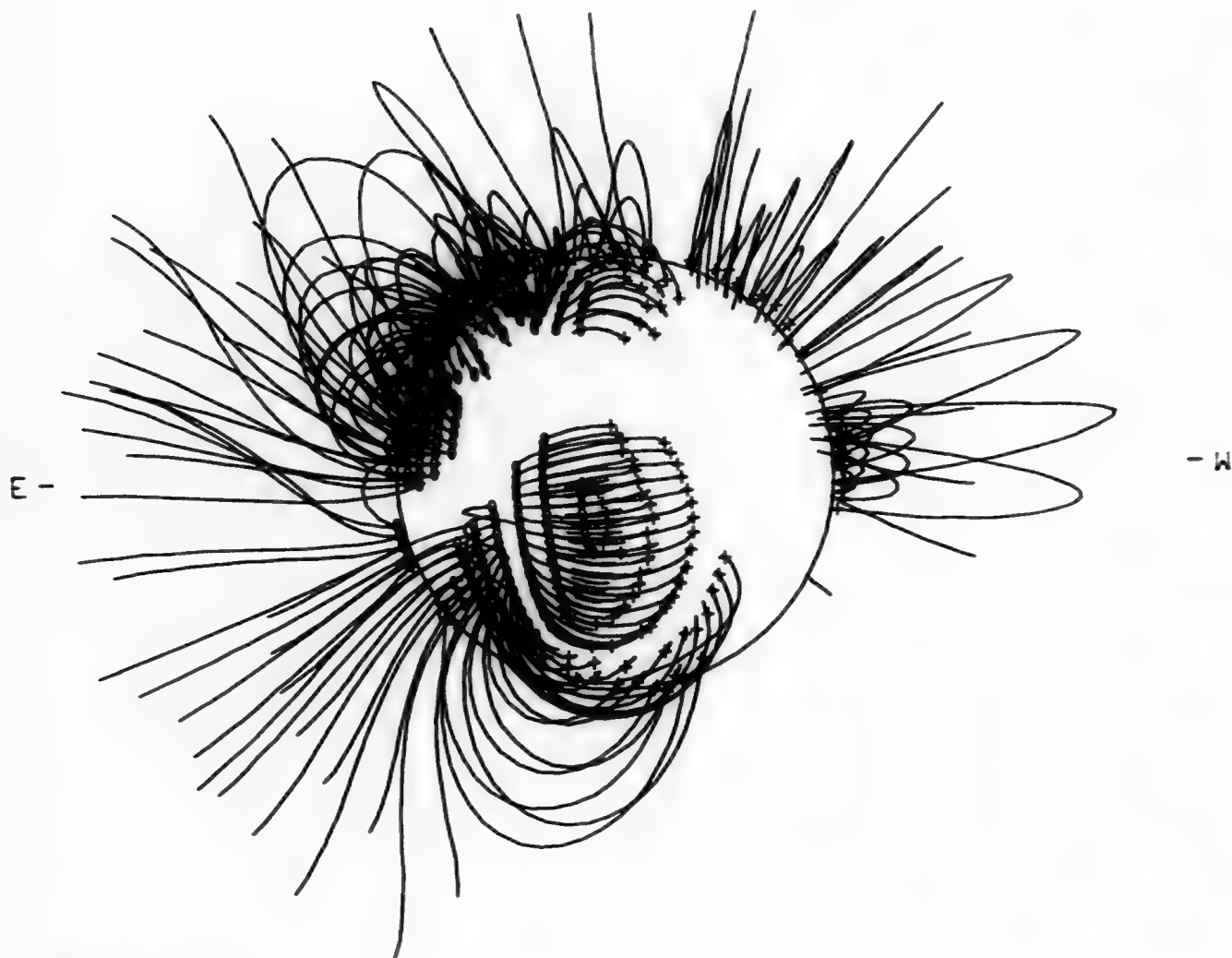
S

ROT. 1459 LONG. 50°

20.6 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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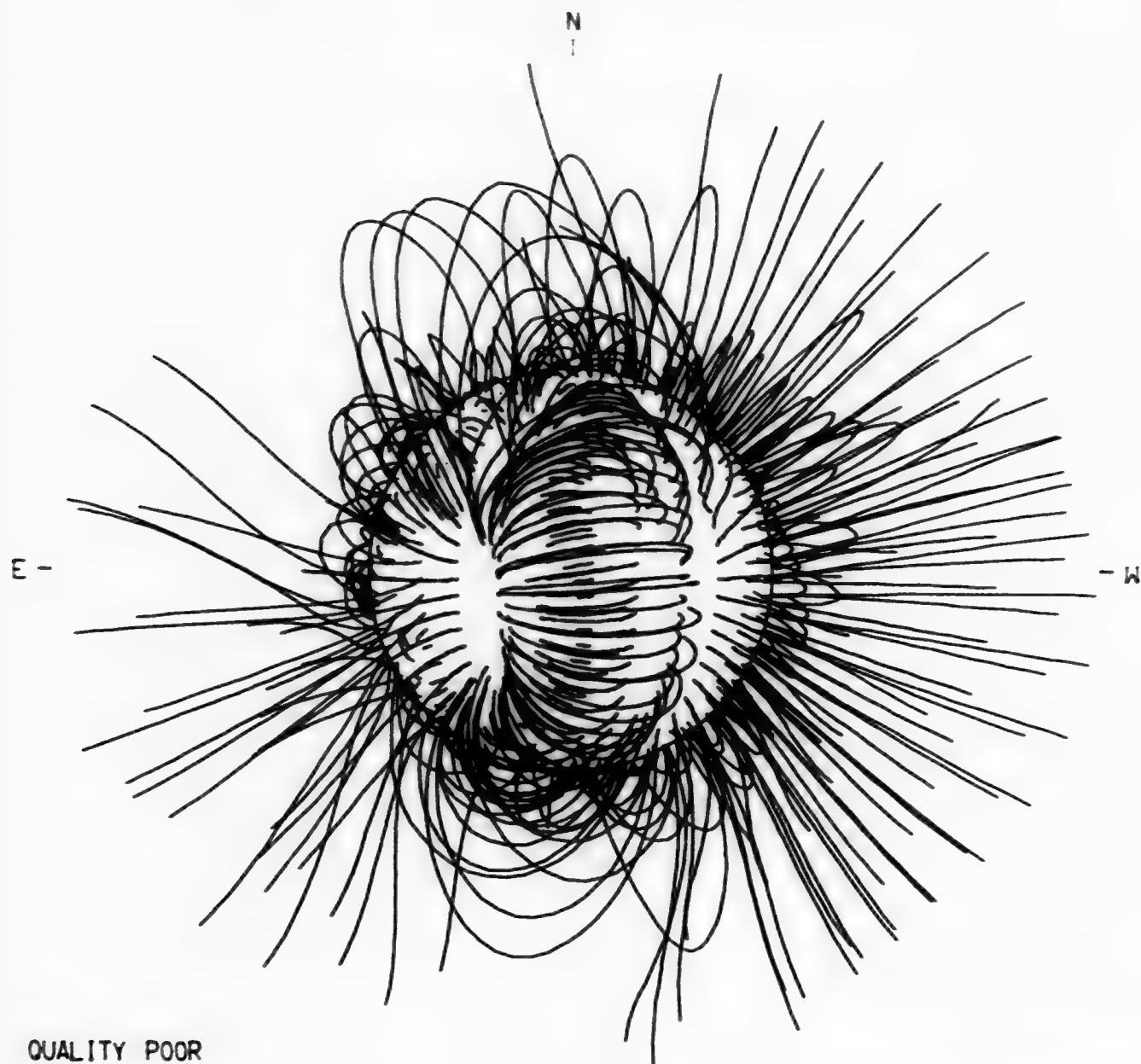


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

I
S

ROT. 1459 LONG. 50°
20.6 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1459.47

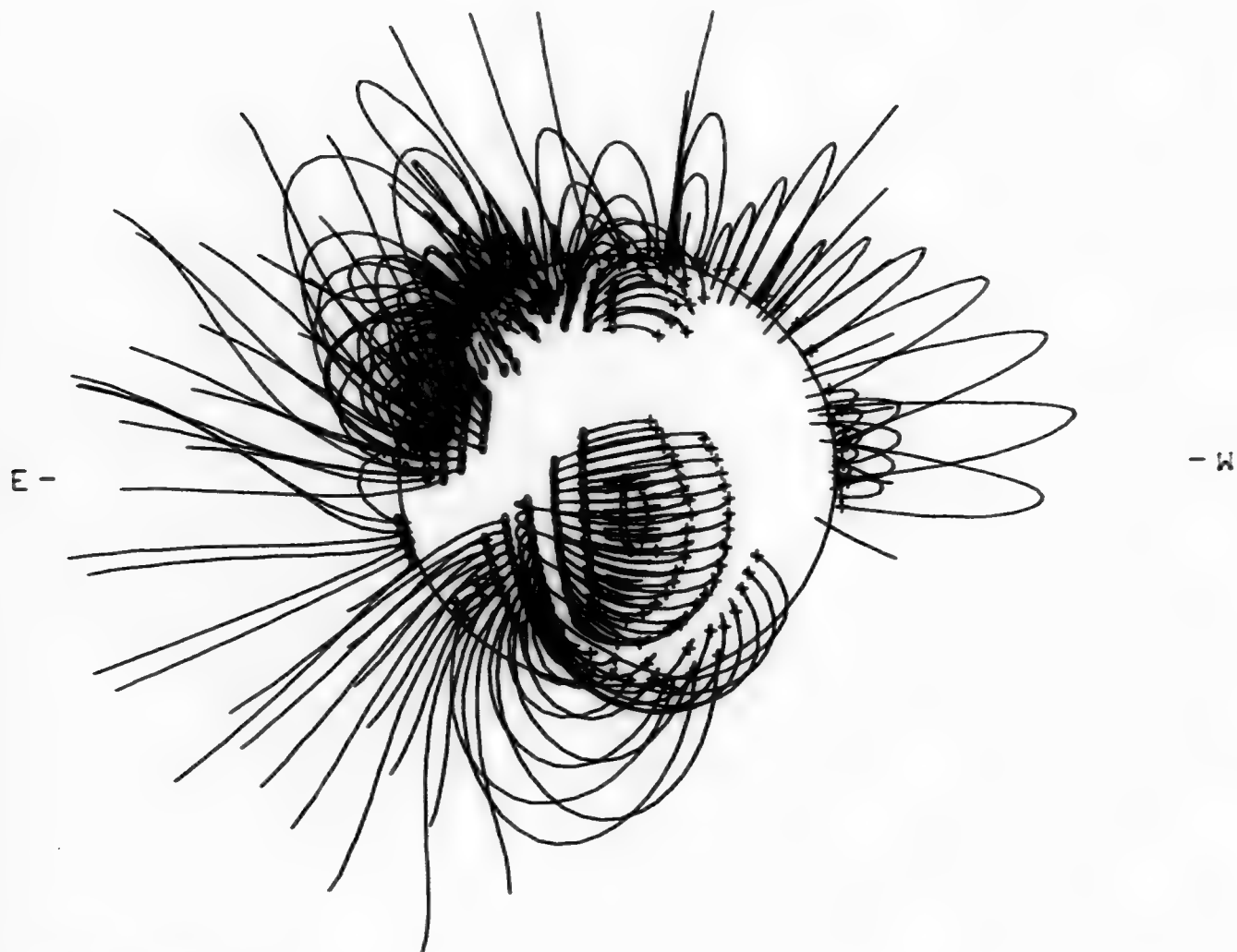
I
S

ROT. 1459 LONG. 40°

21.4 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

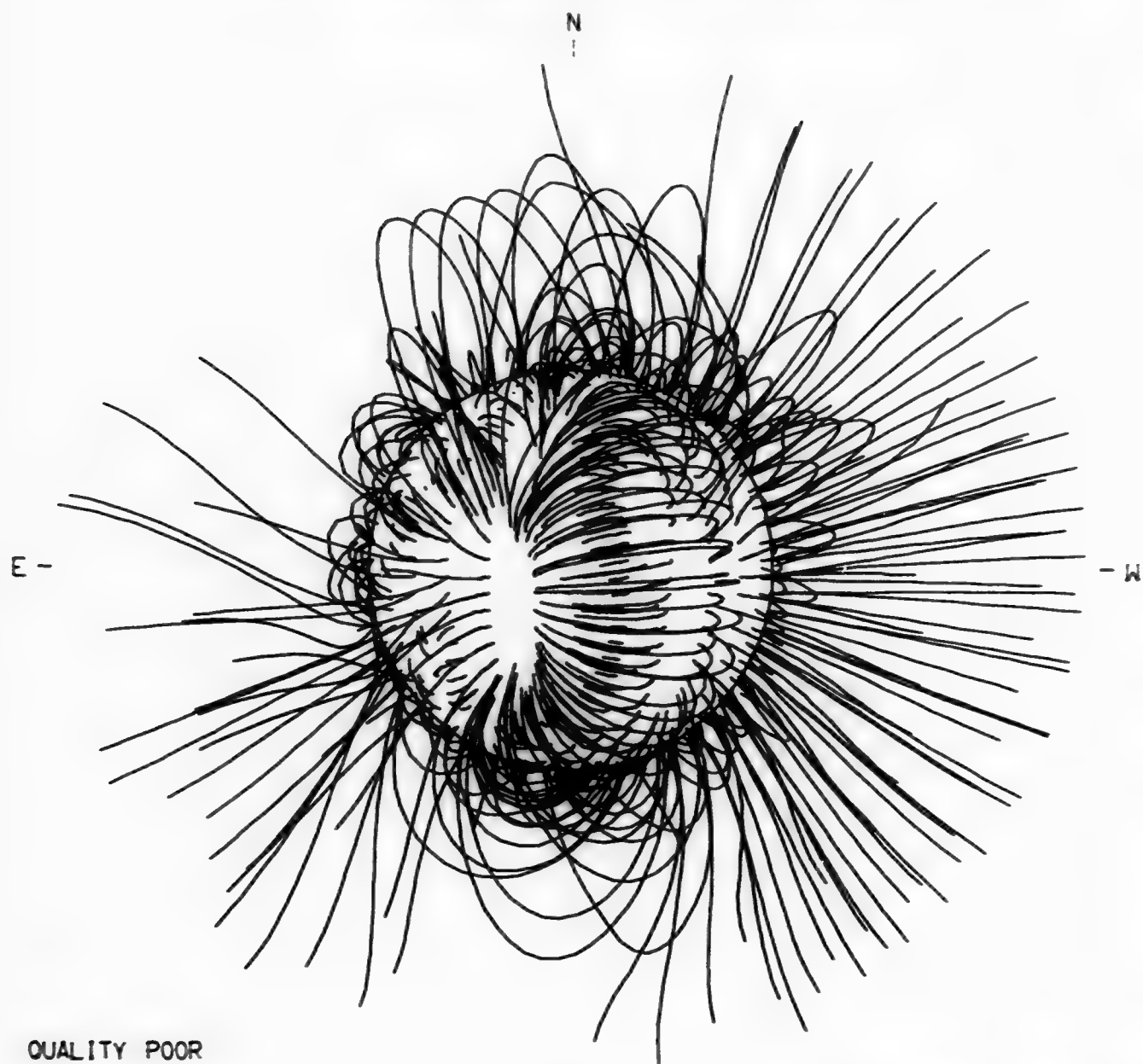


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

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S

ROT. 1459 LONG. 40°
21.4 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1459.47

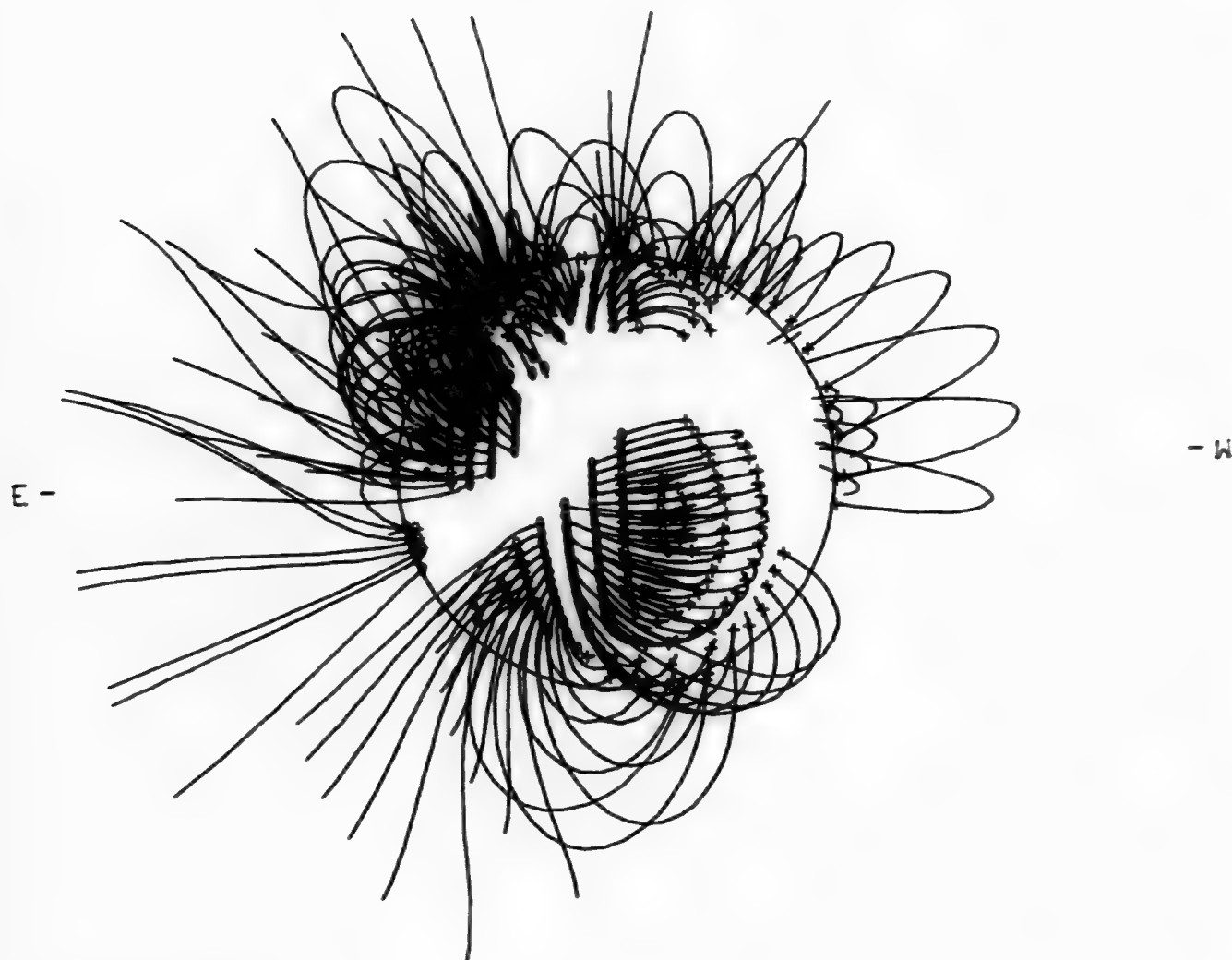
I
S

ROT. 1459 LONG. 30°

22.1 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

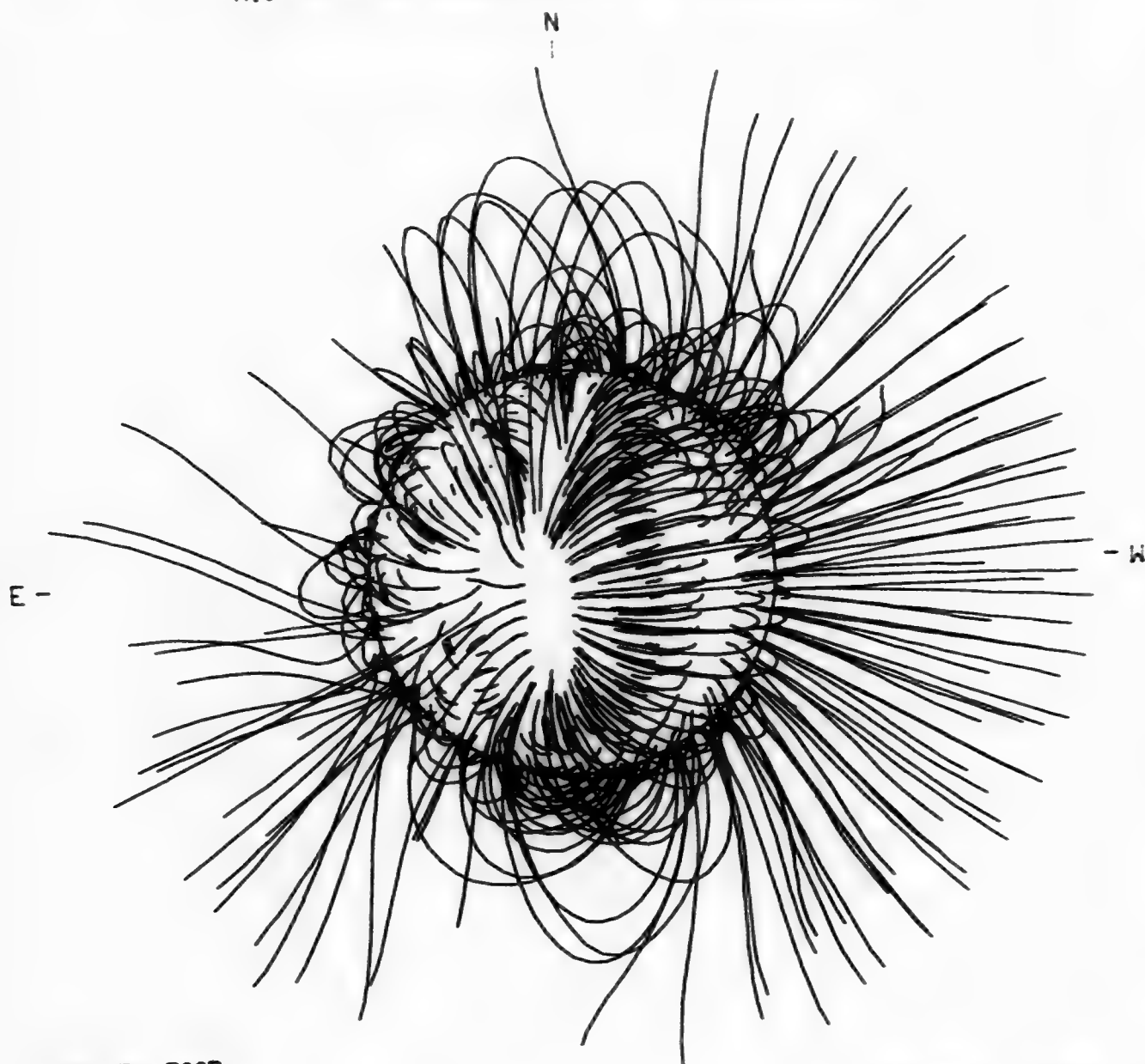


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

1
S

ROT. 1459 LONG. 30°
22.1 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

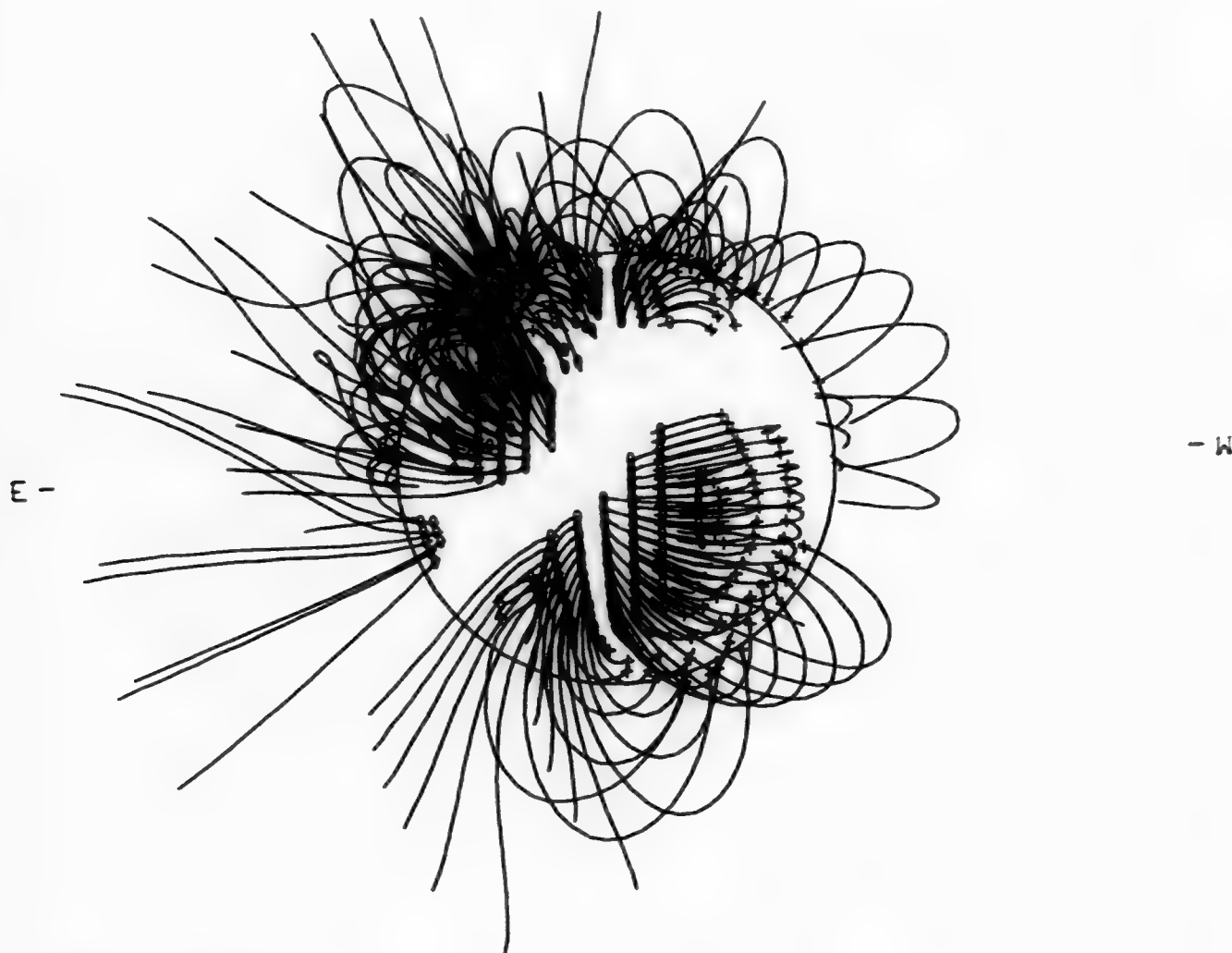


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

ROT. 1459 LONG. 20°
22.9 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

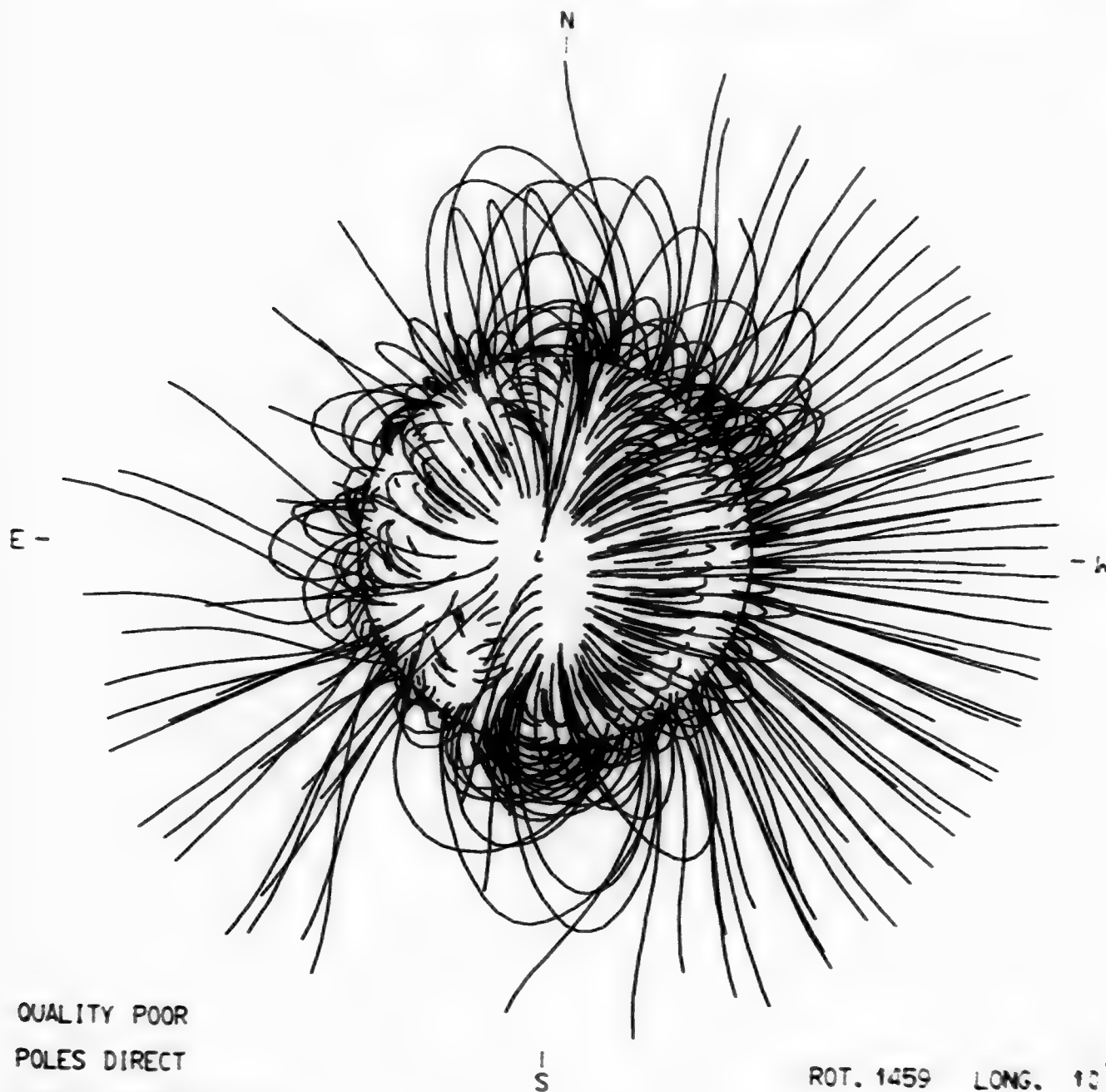


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

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S

ROT. 1459 LONG. 20°
22.9 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



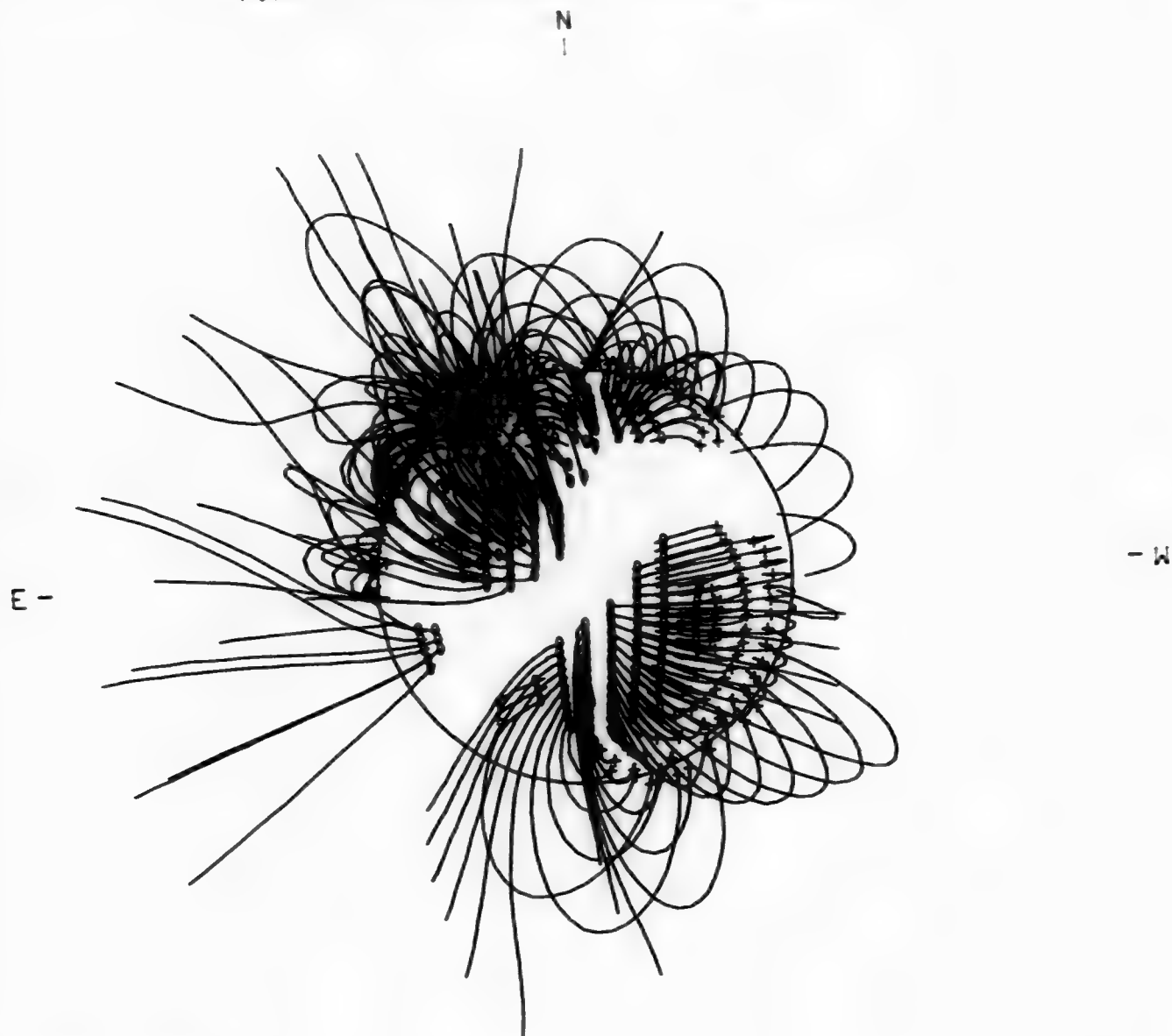
QUALITY POOR

POLES DIRECT

DATA WINDOW 1459.47

ROT. 1459 LONG. 10°
23.6 OCT 1962

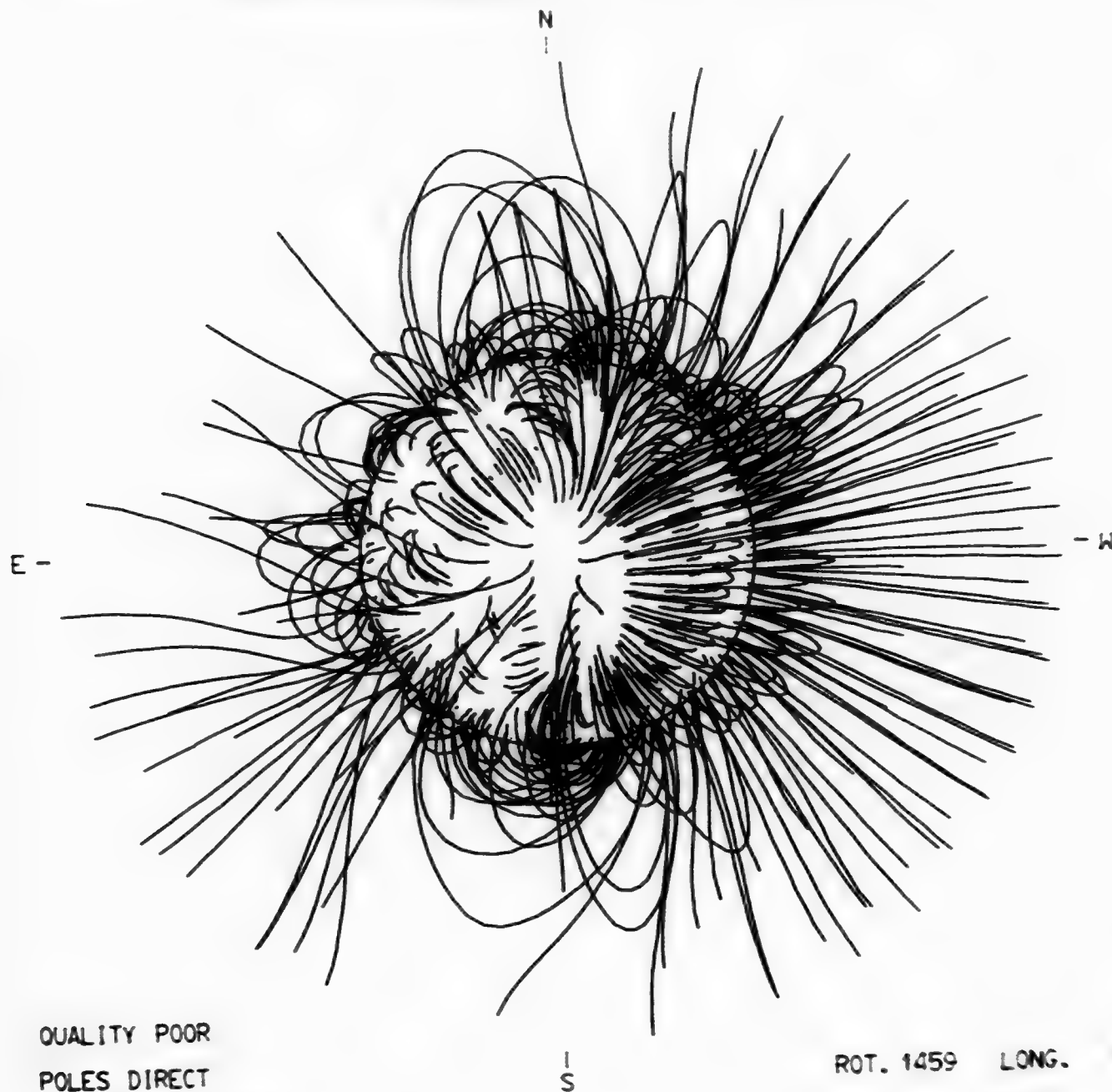
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

ROT. 1459 LONG. 10°
23.6 OCT 1962

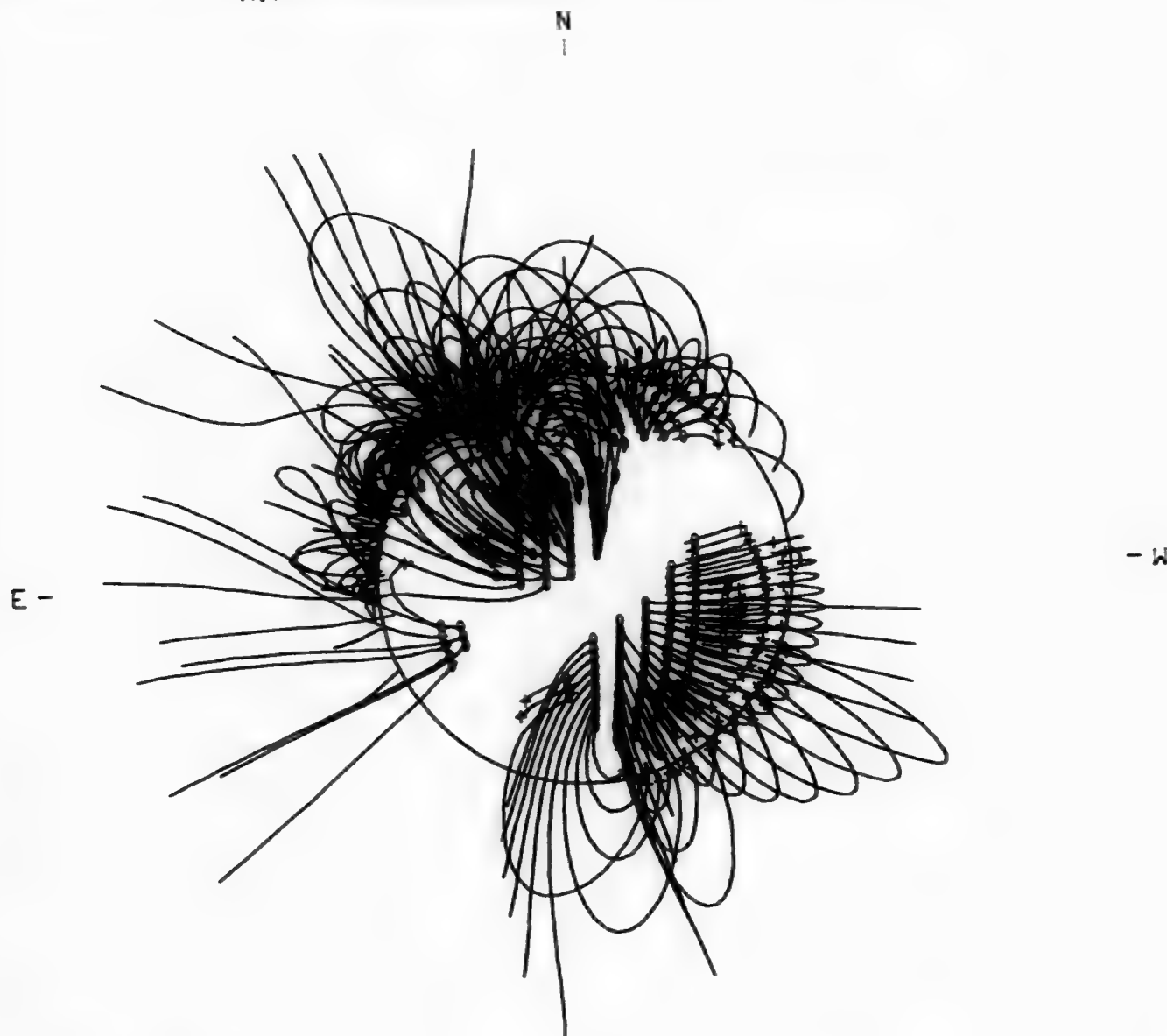
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

ROT. 1459 LONG. 0°
24.4 OCT 1962

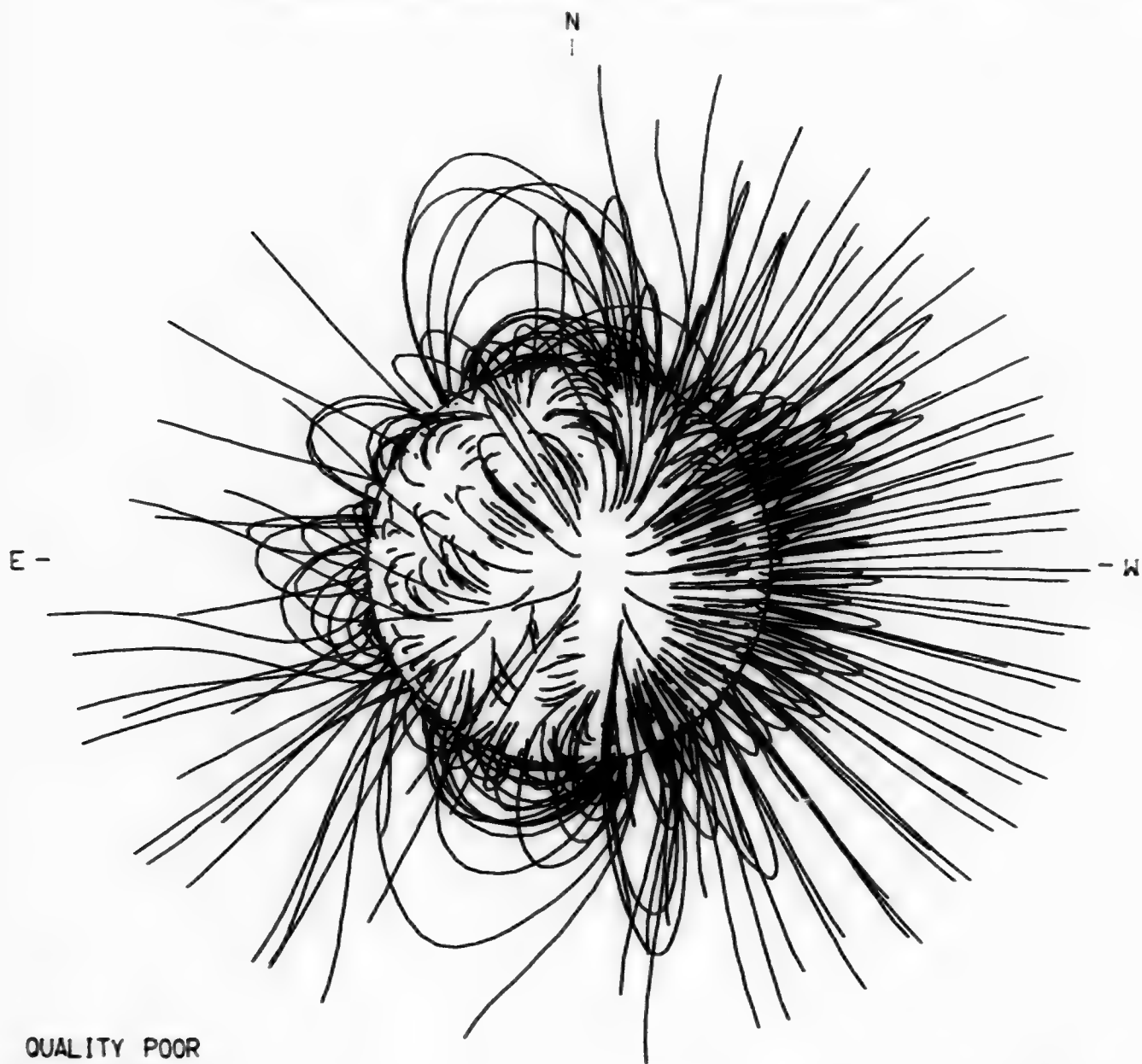
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

ROT. 1459 LONG. 3°
24.4 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1459.47

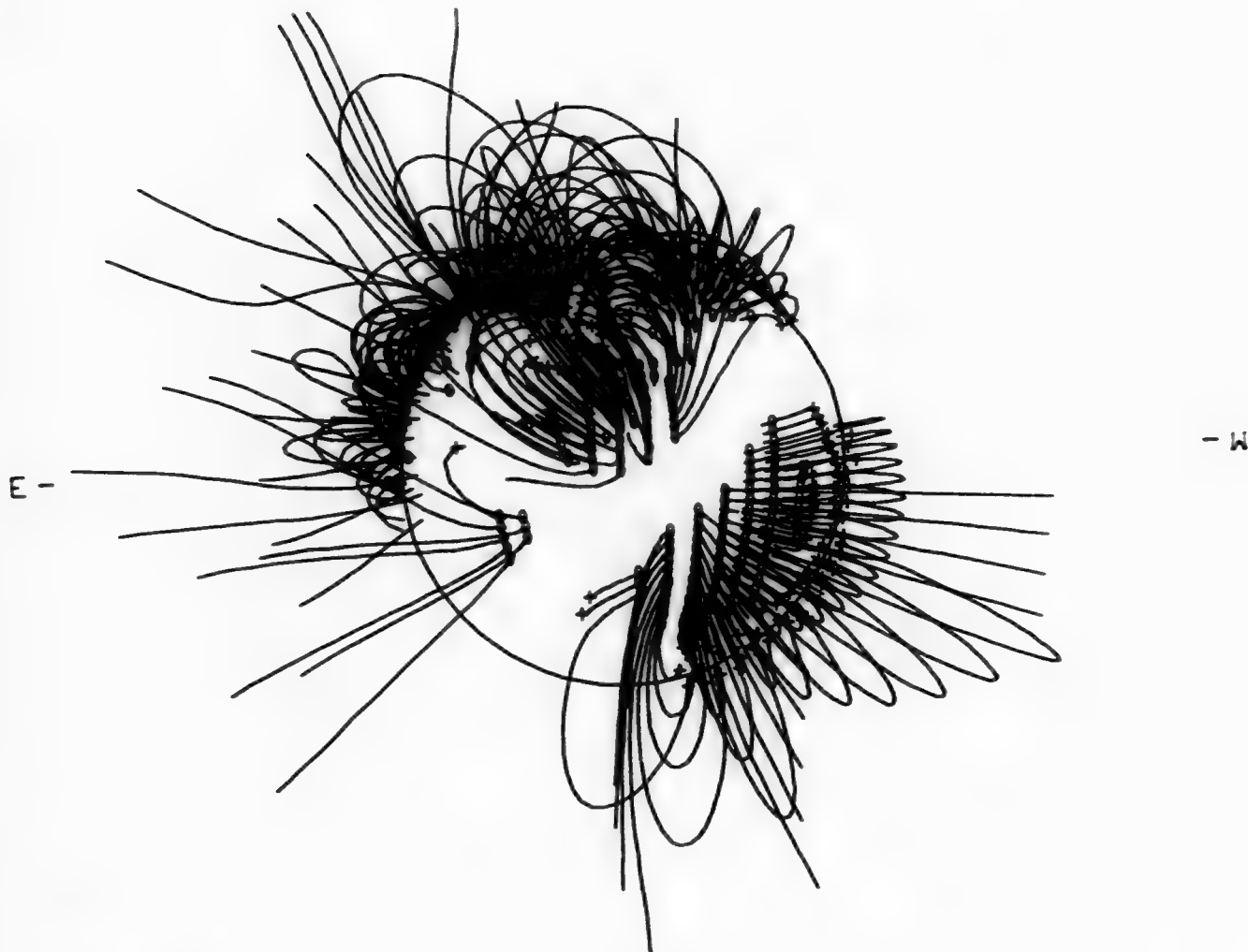
I
S

ROT. 1460 LONG. 350°

25.1 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

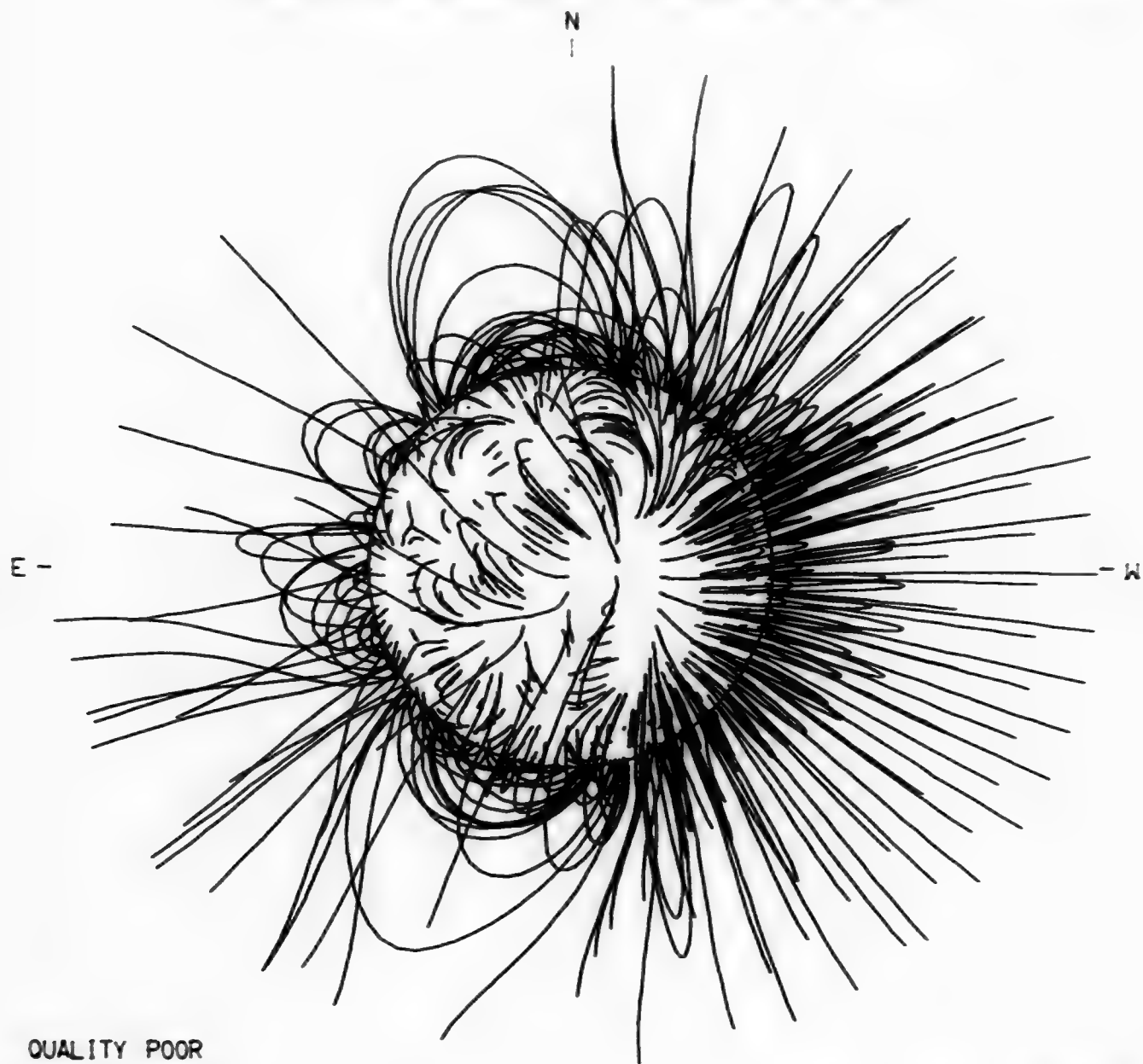


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

I
S

ROT. 1460 LONG. 350°
25.1 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

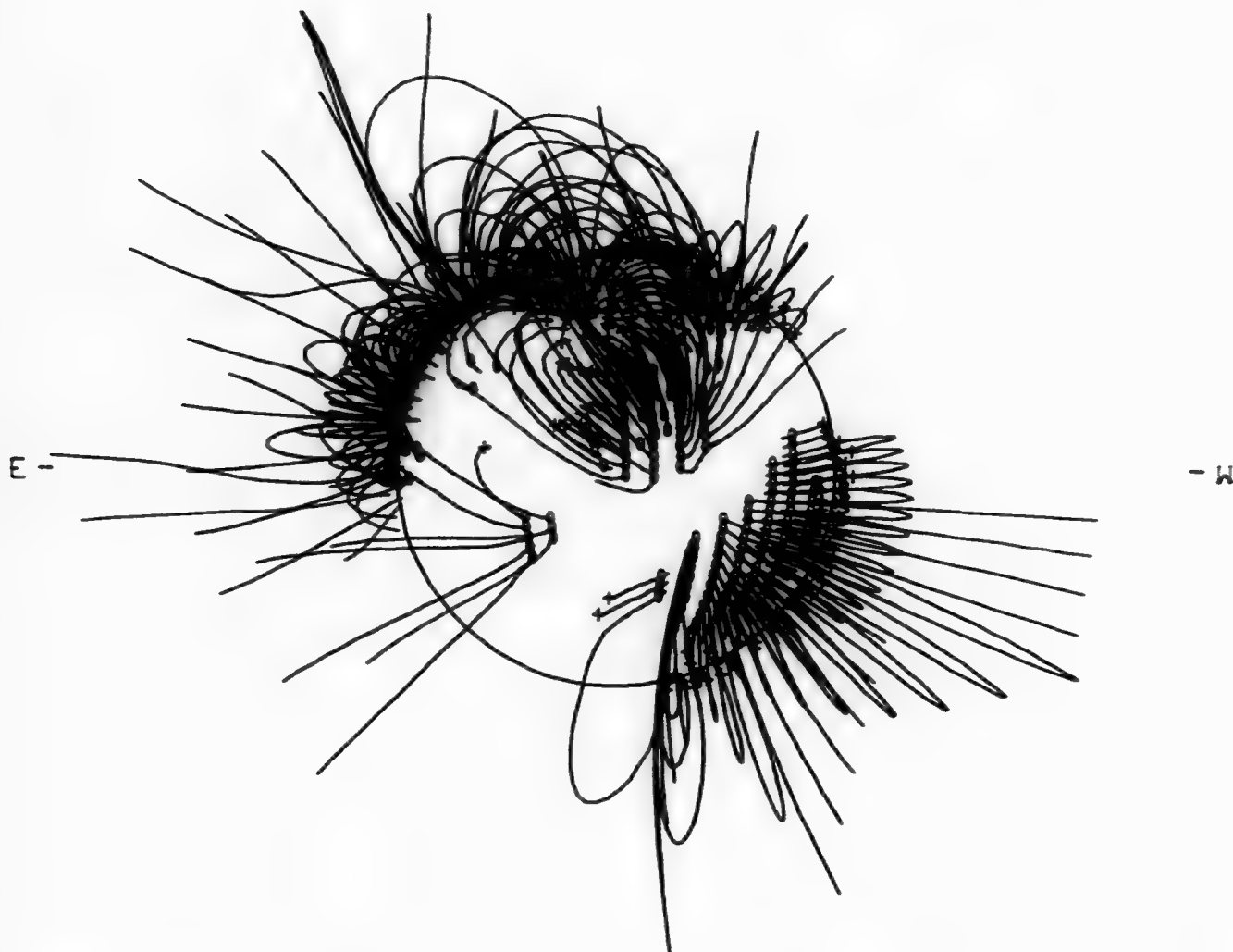
DATA WINDOW 1459.47

I
S

ROT. 1460 LONG. 320°

25.9 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

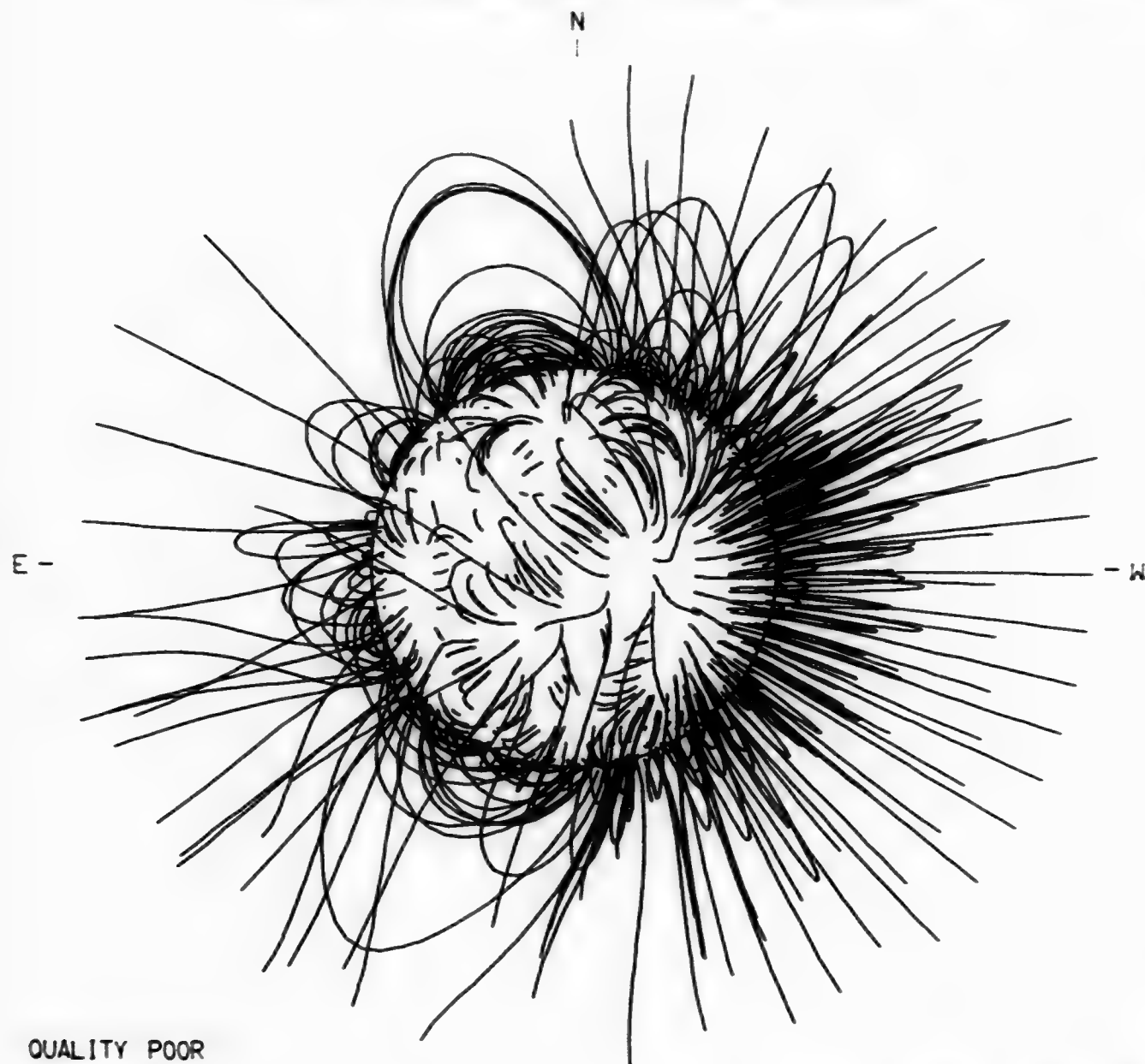
N
1

QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

15

ROT. 1460 LONG. 320°
25.9 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1459.47

N
|
S

ROT. 1460 LONG. 330°

26.7 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

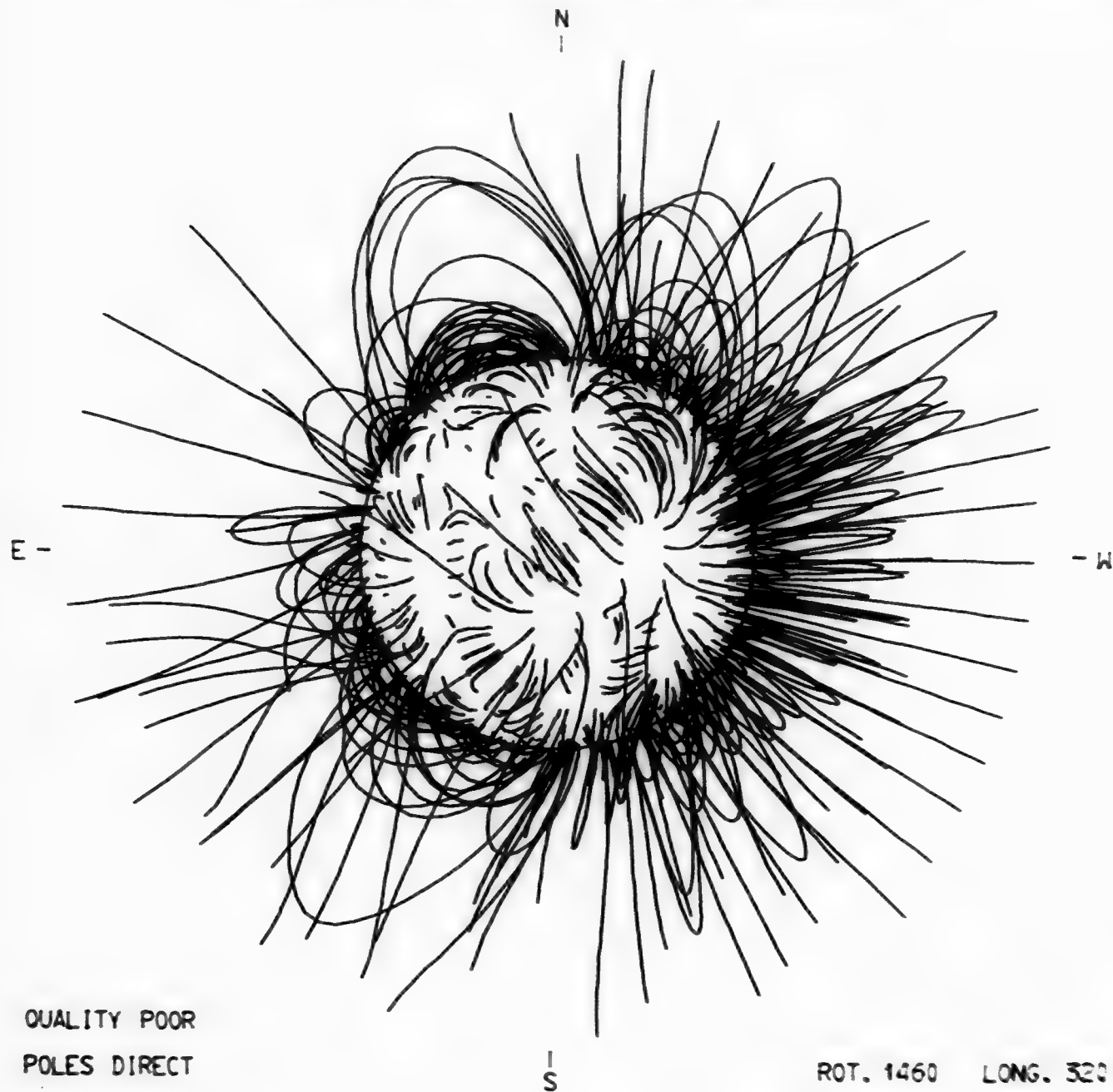


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

I
S

ROT. 1460 LONG. 330°
26.7 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

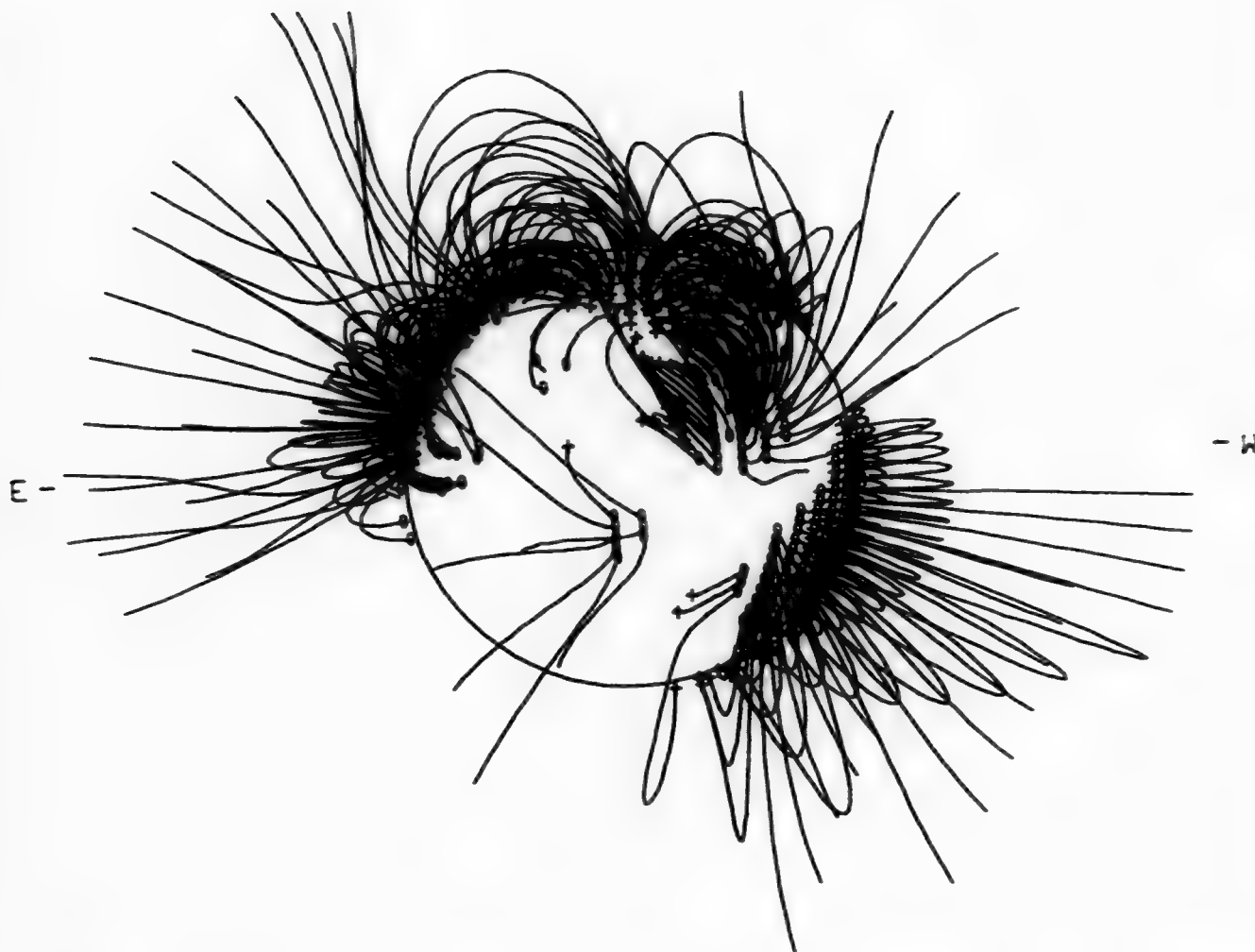
DATA WINDOW 1459.47

ROT. 1460 LONG. 320°

27.4 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

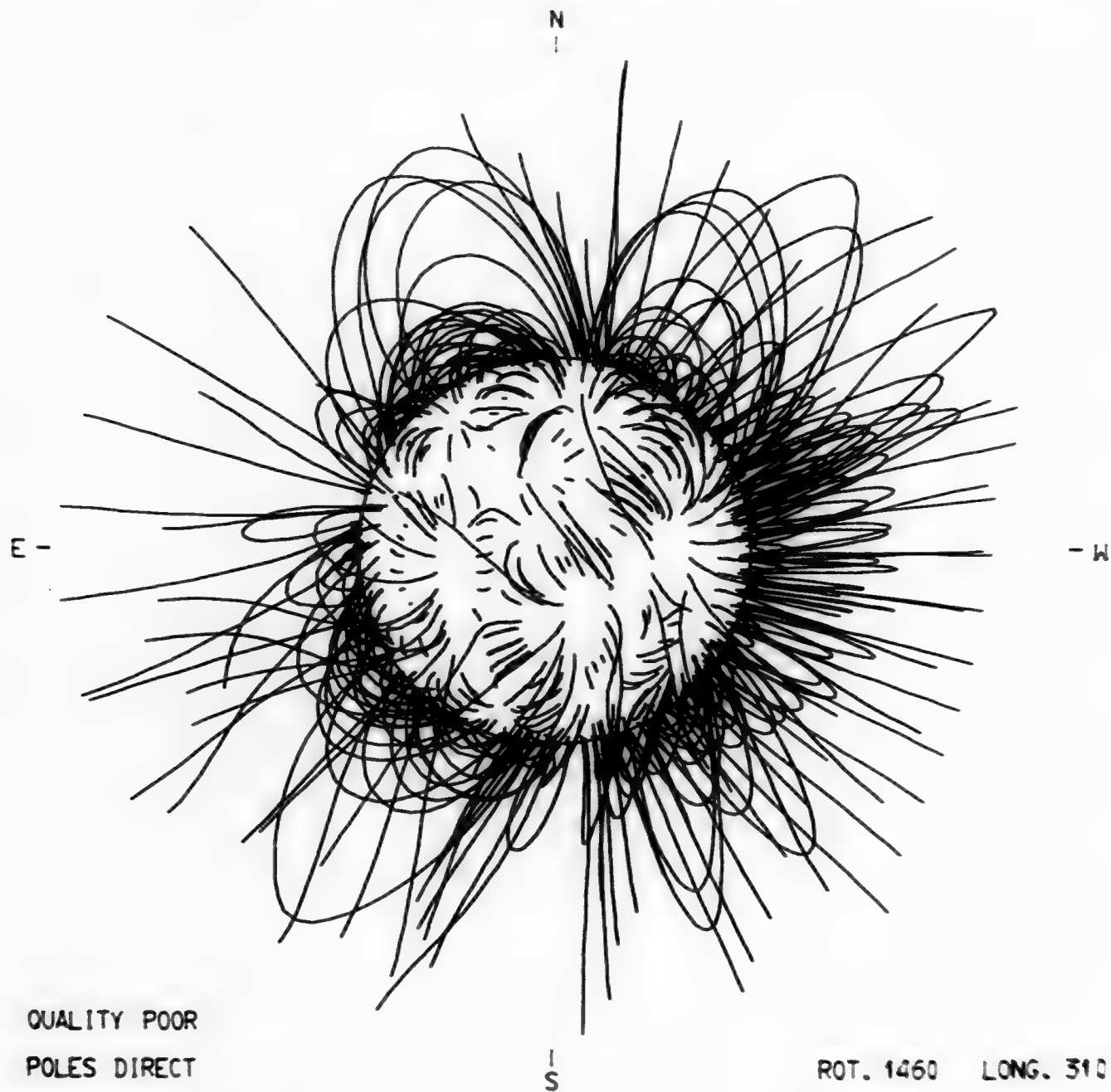


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

I
S

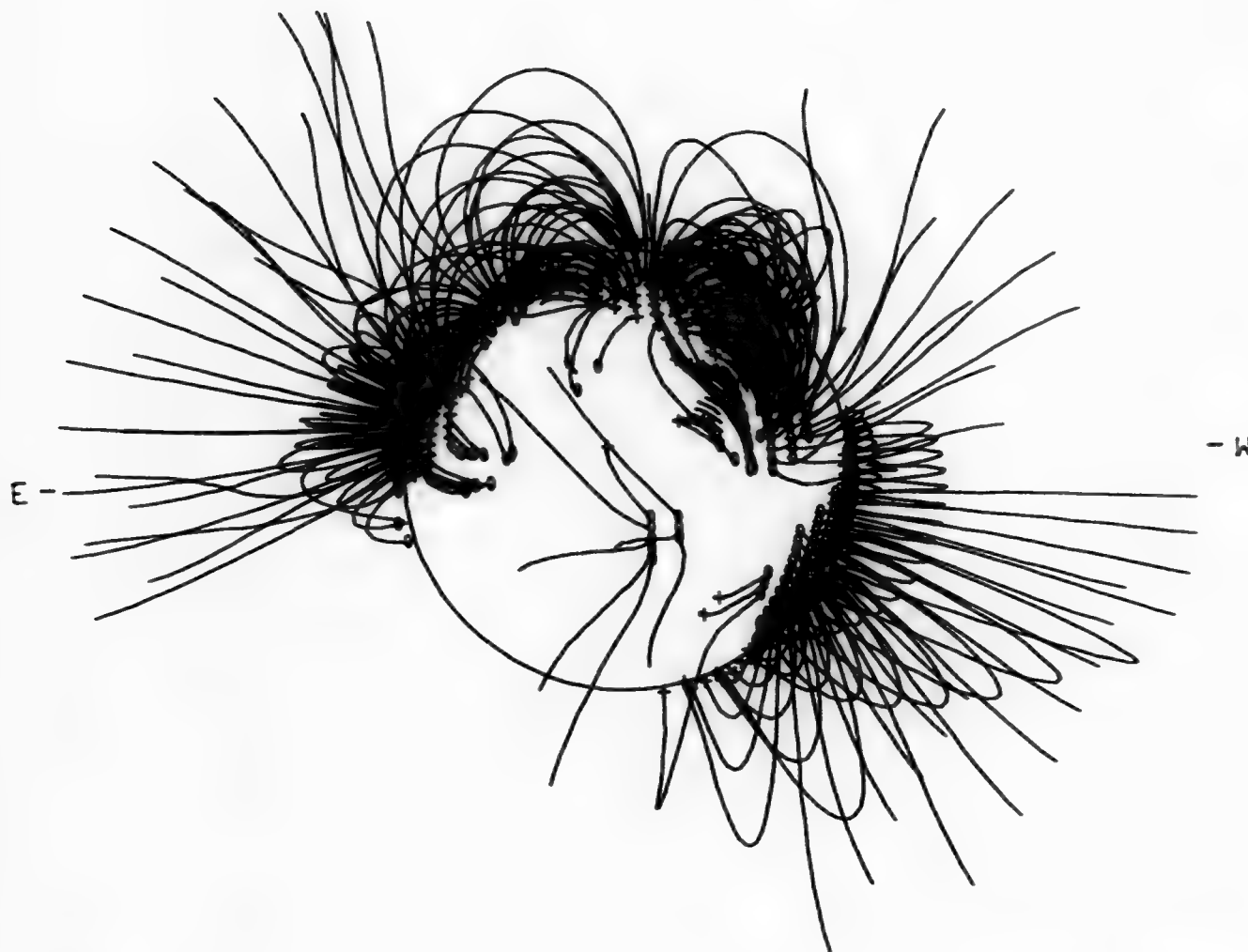
ROT. 1460 LONG. 320°
27.4 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

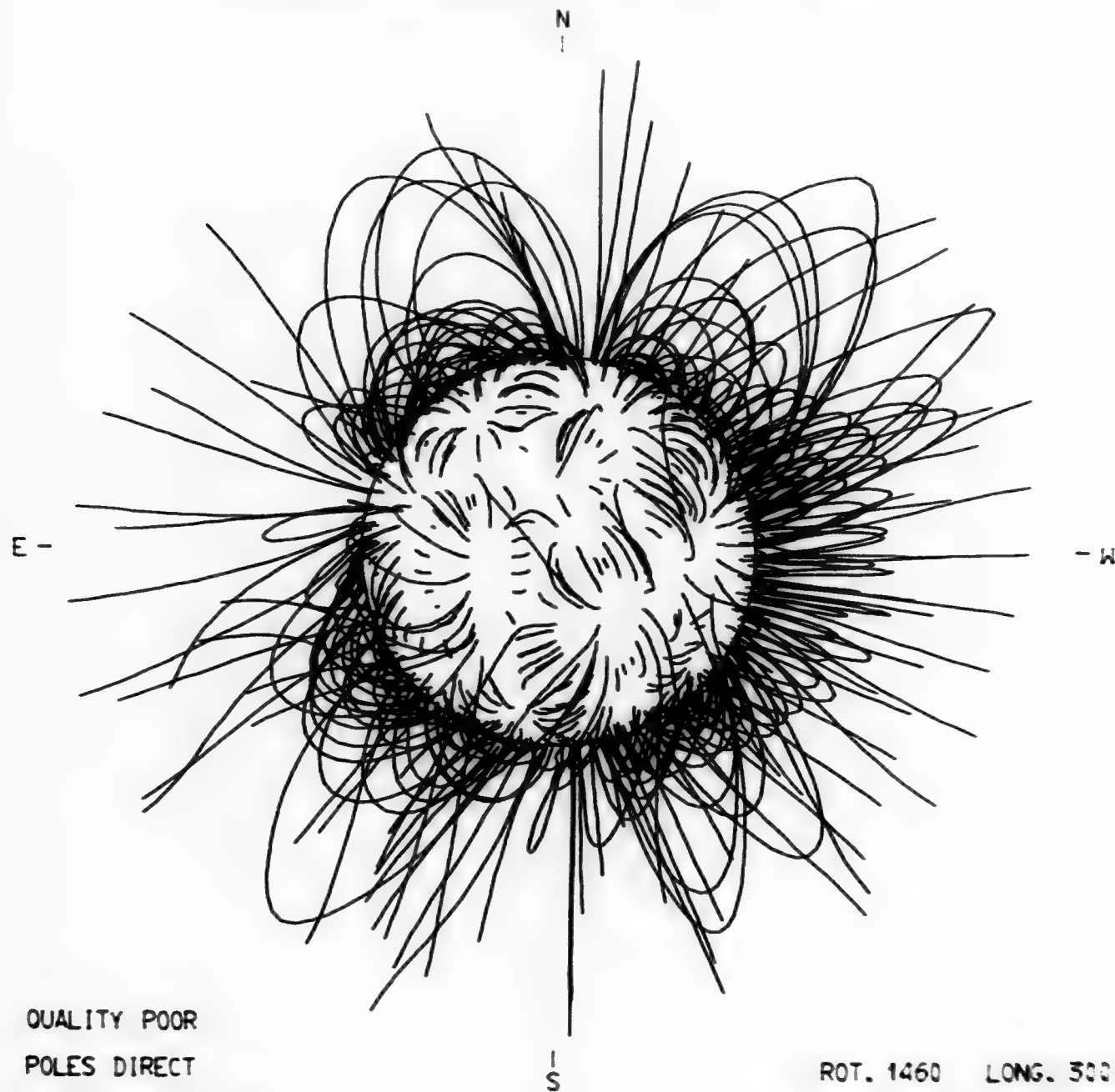


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

I
S

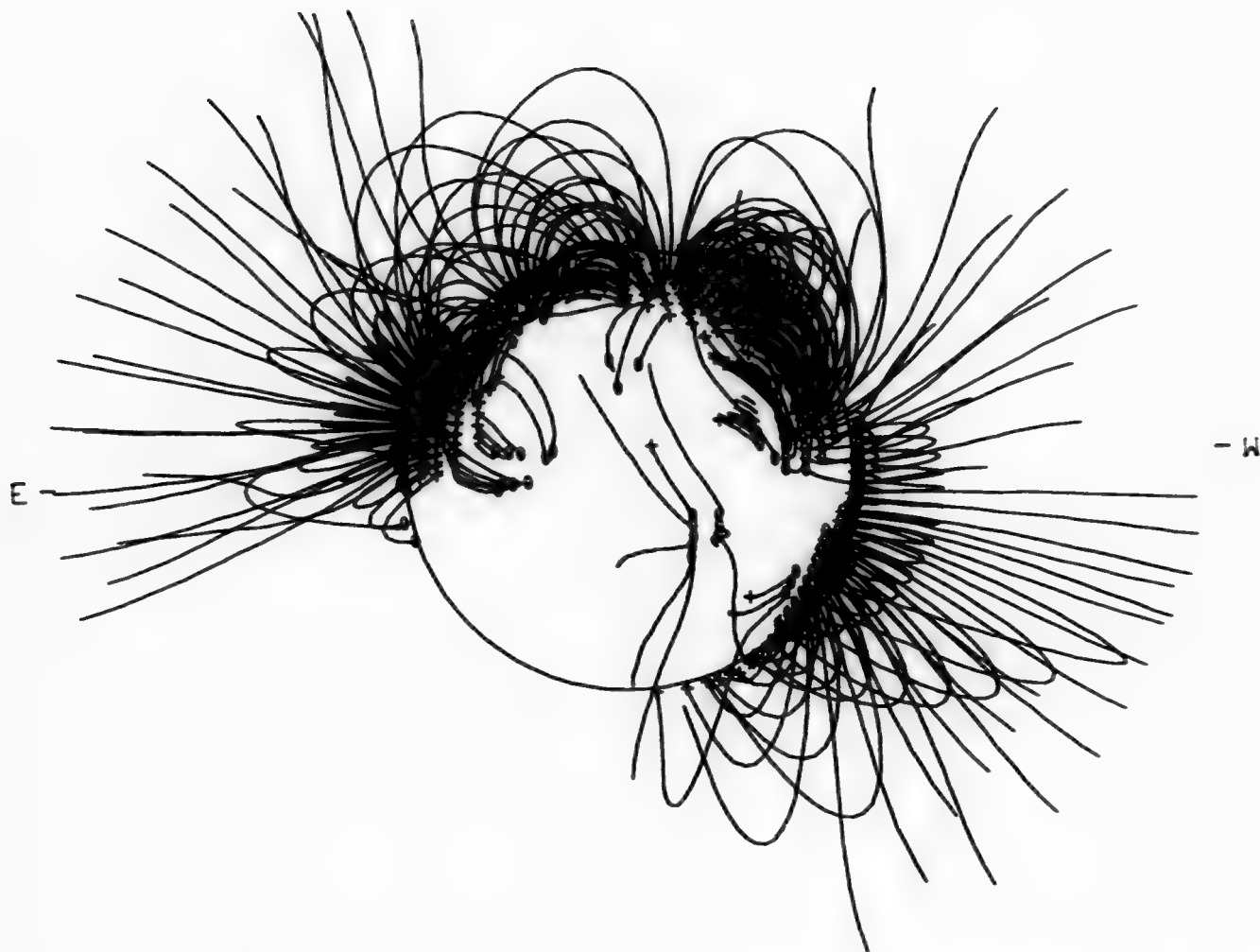
ROT. 1460 LONG. 310°
28.2 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

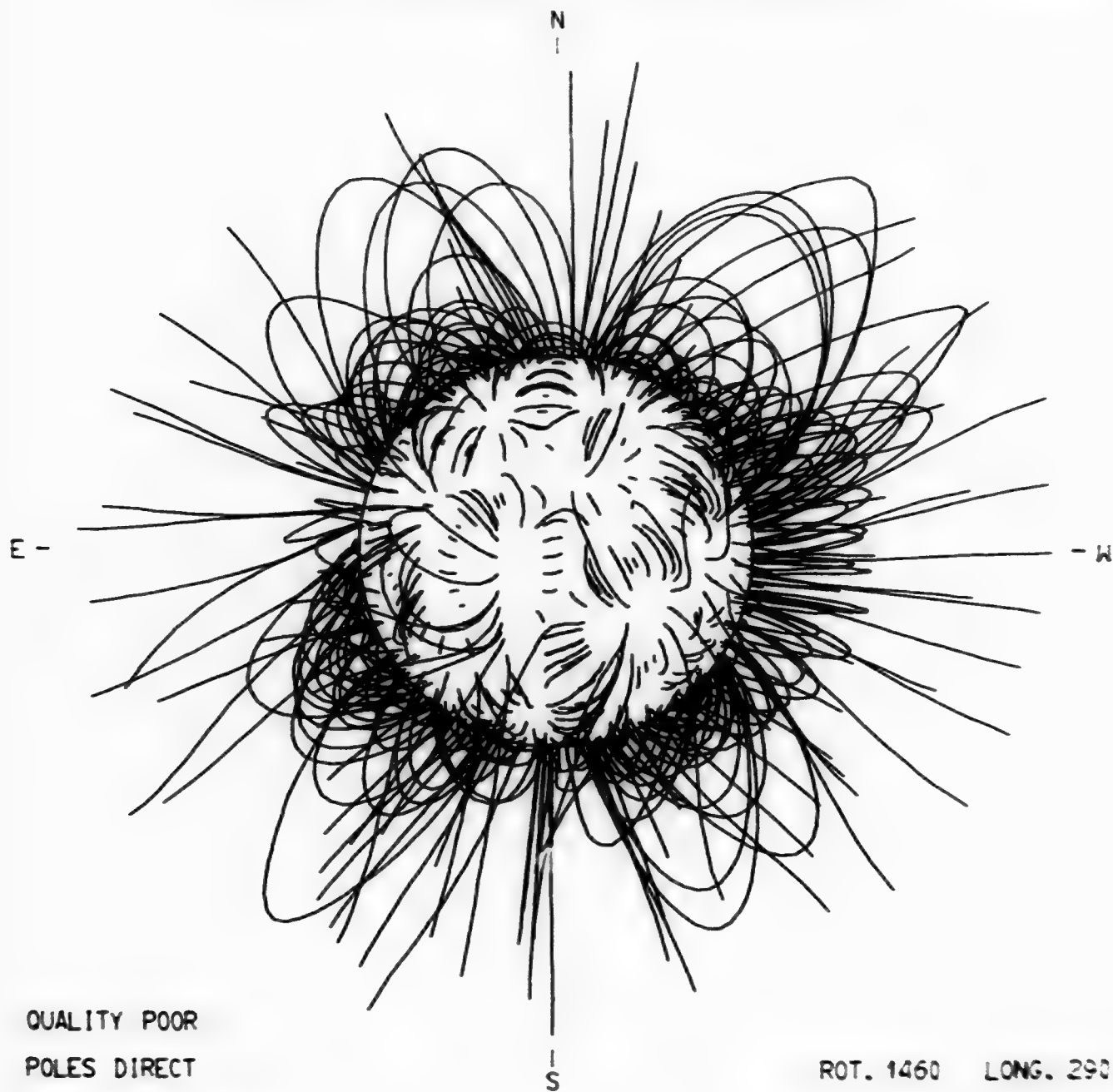


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

I
S

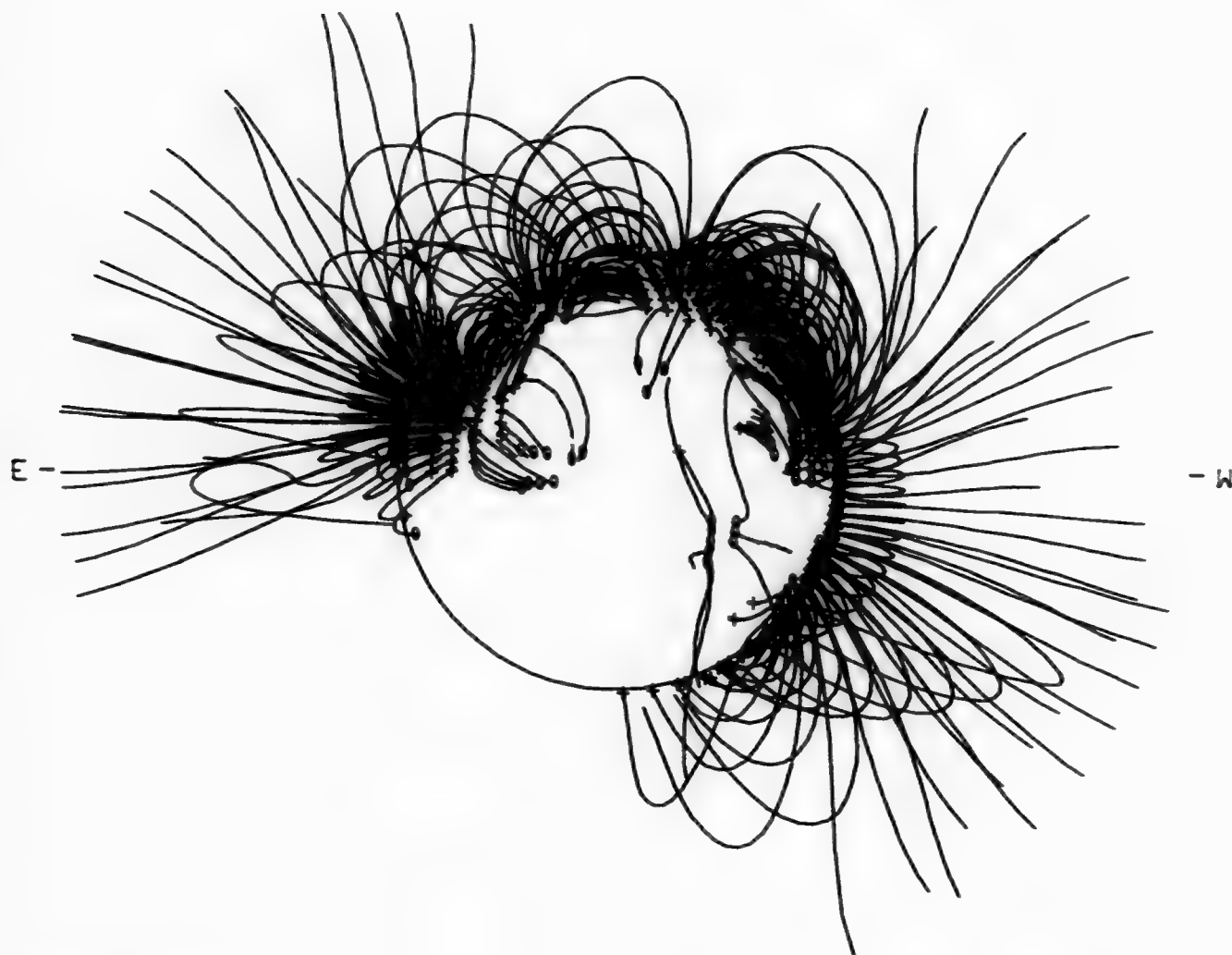
ROT. 1460 LONG. 300°
28.9 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

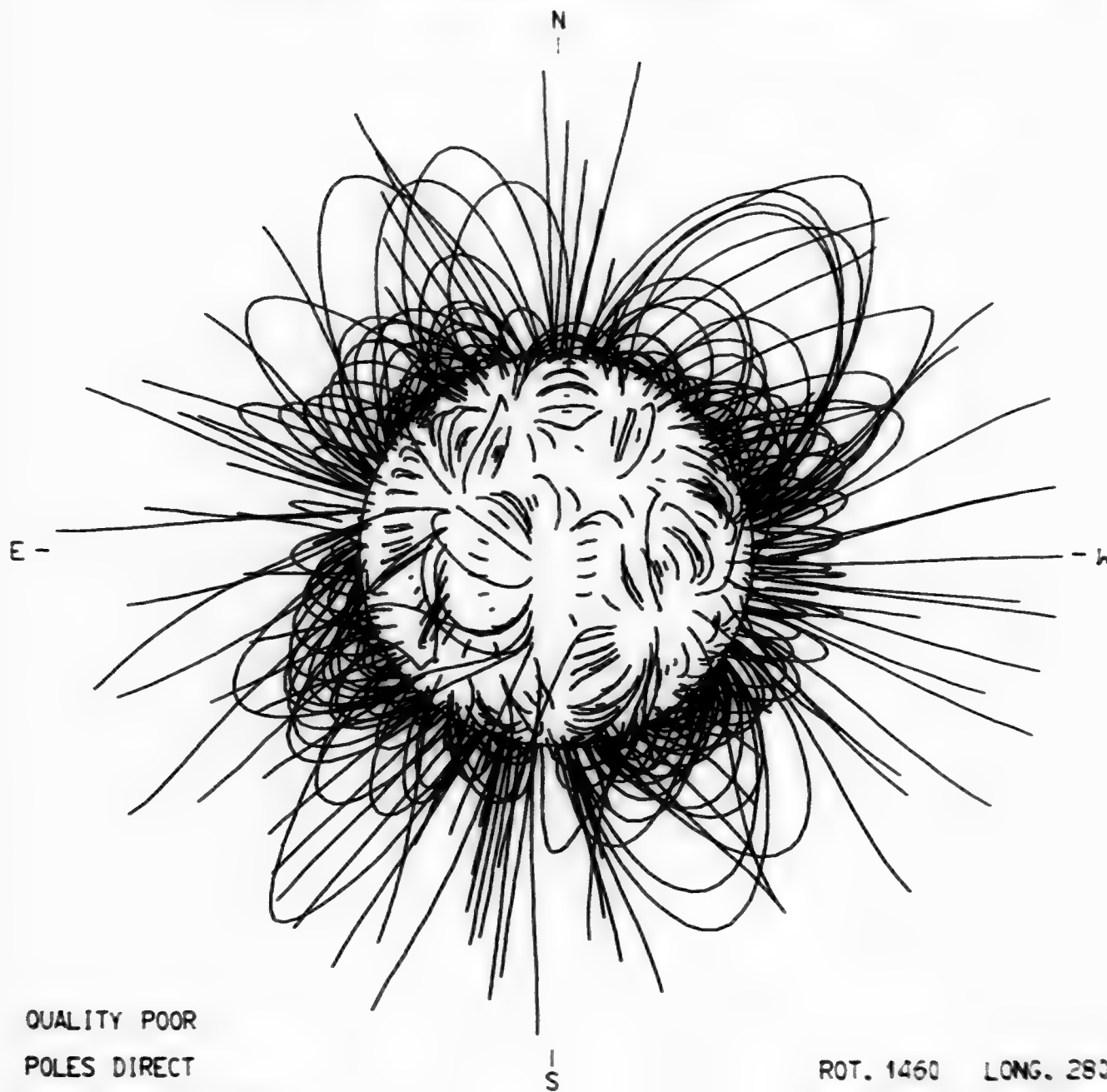


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

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S

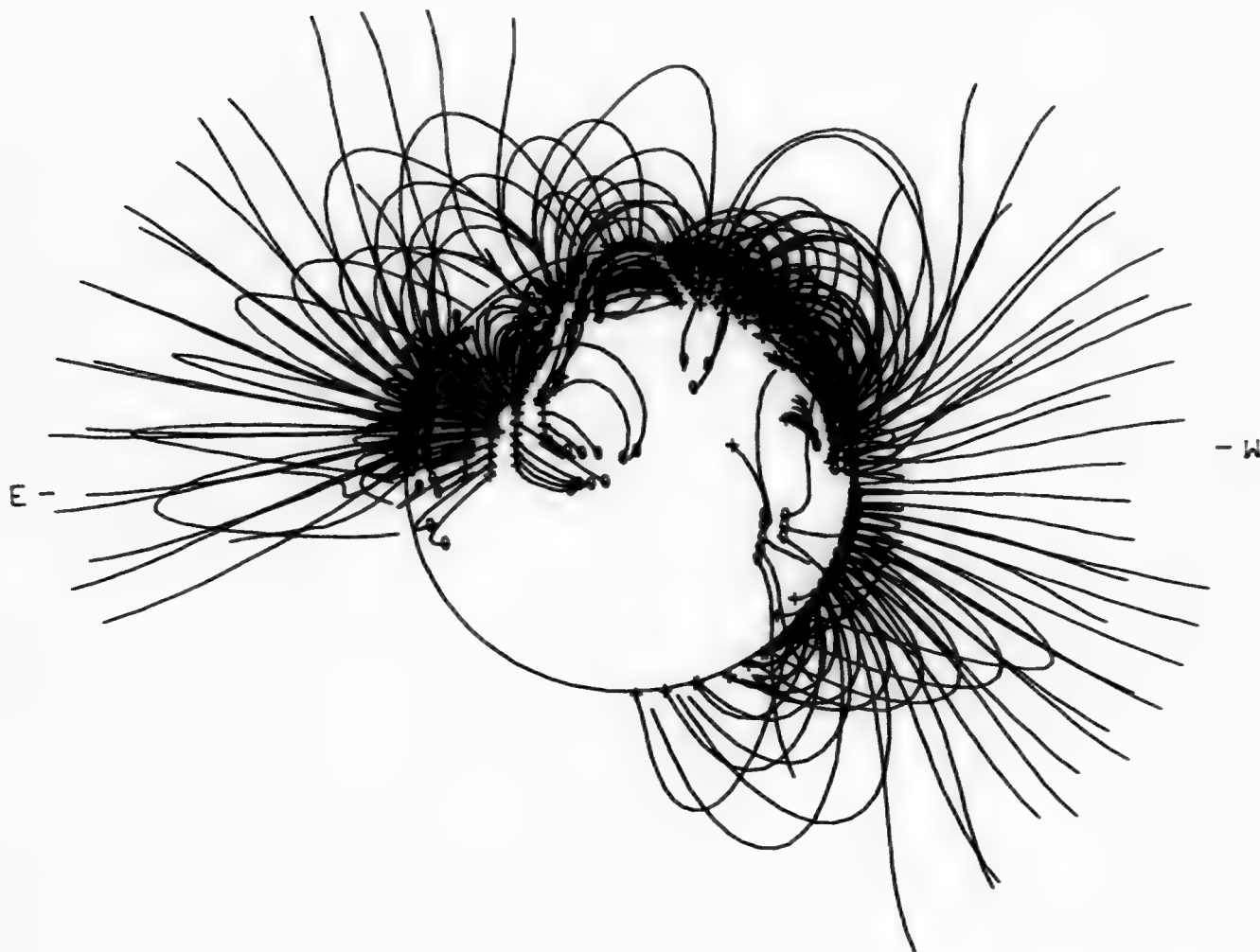
ROT. 1460 LONG. 290°
29.7 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

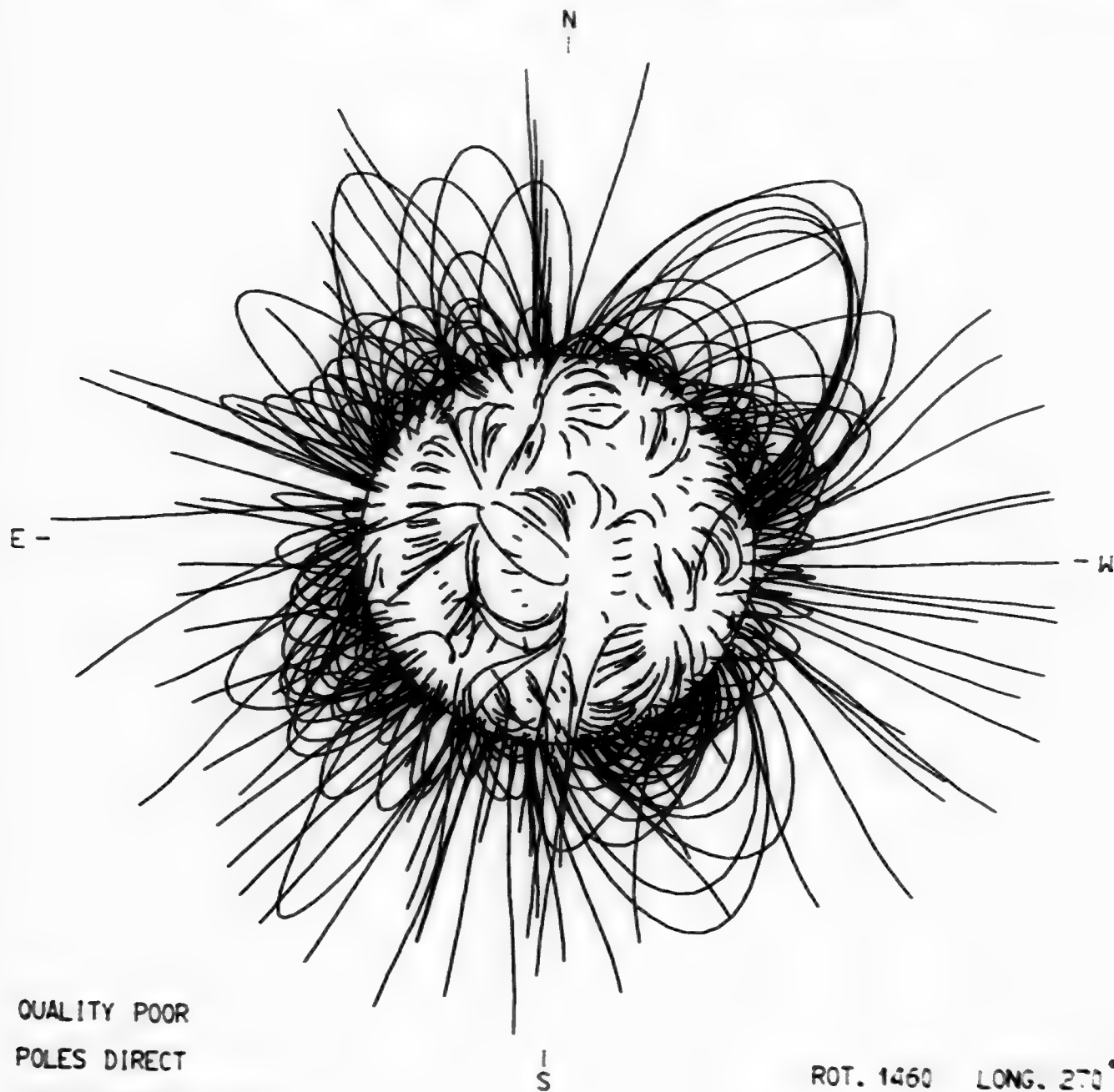


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

I
S

ROT. 1460 LONG. 280°
30.5 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

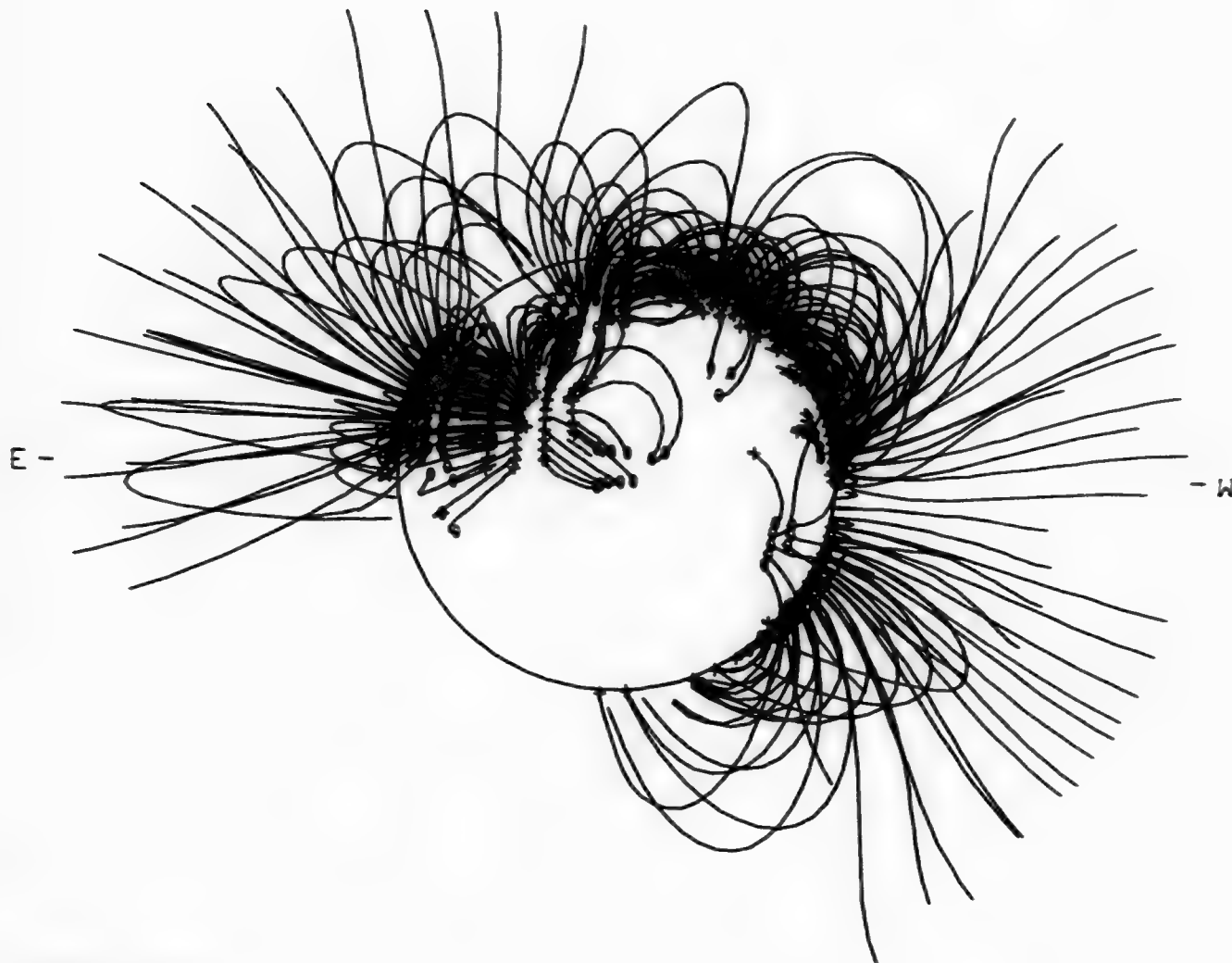
DATA WINDOW 1459.47

ROT. 1460 LONG. 270°

31.2 OCT 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

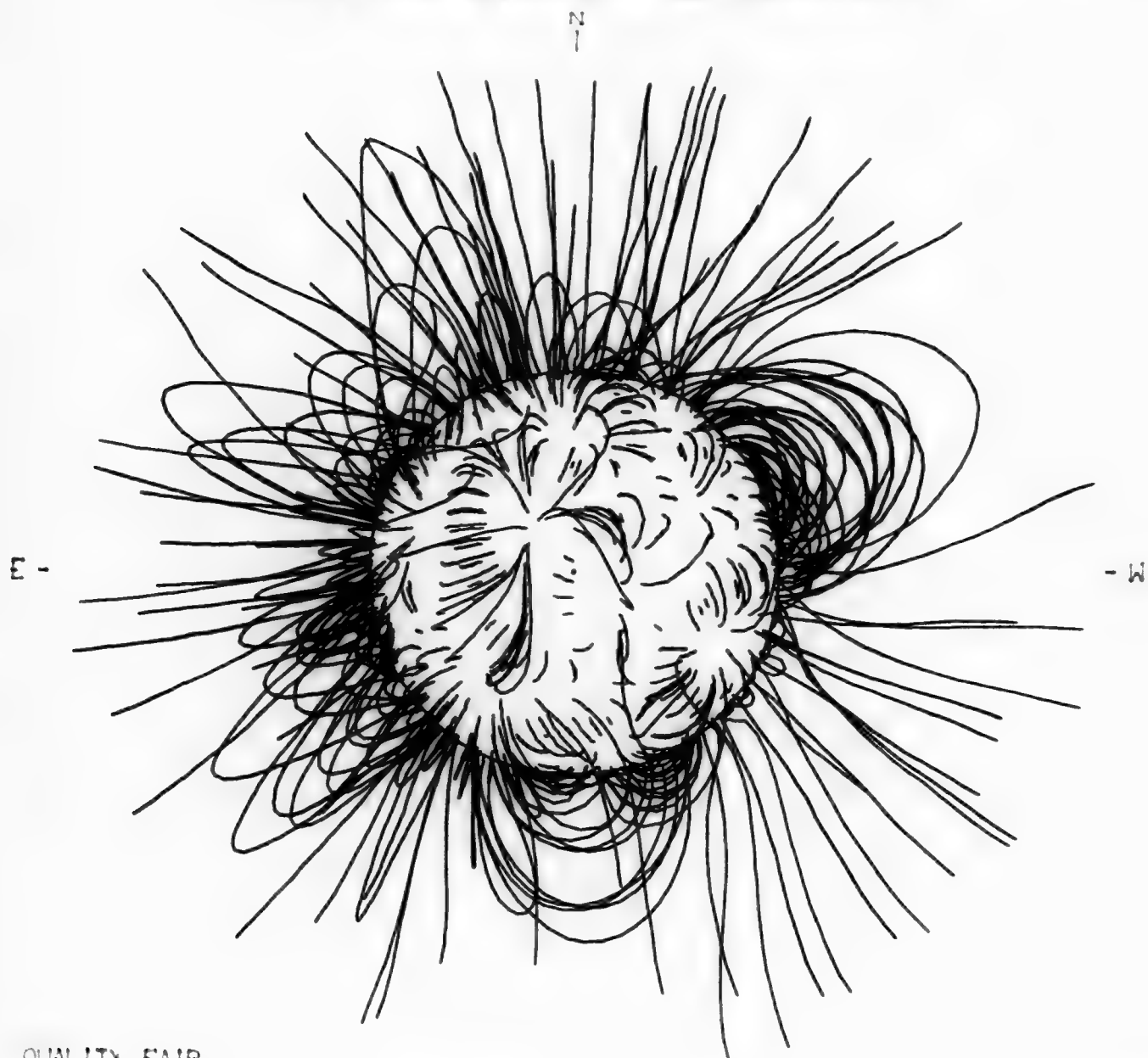


QUALITY POOR
POLES DIRECT
DATA WINDOW 1459.47

I
S

ROT. 1460 LONG. 270°
31.2 OCT 1962

HIGH ALTITUDE OBSERVATORY • HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

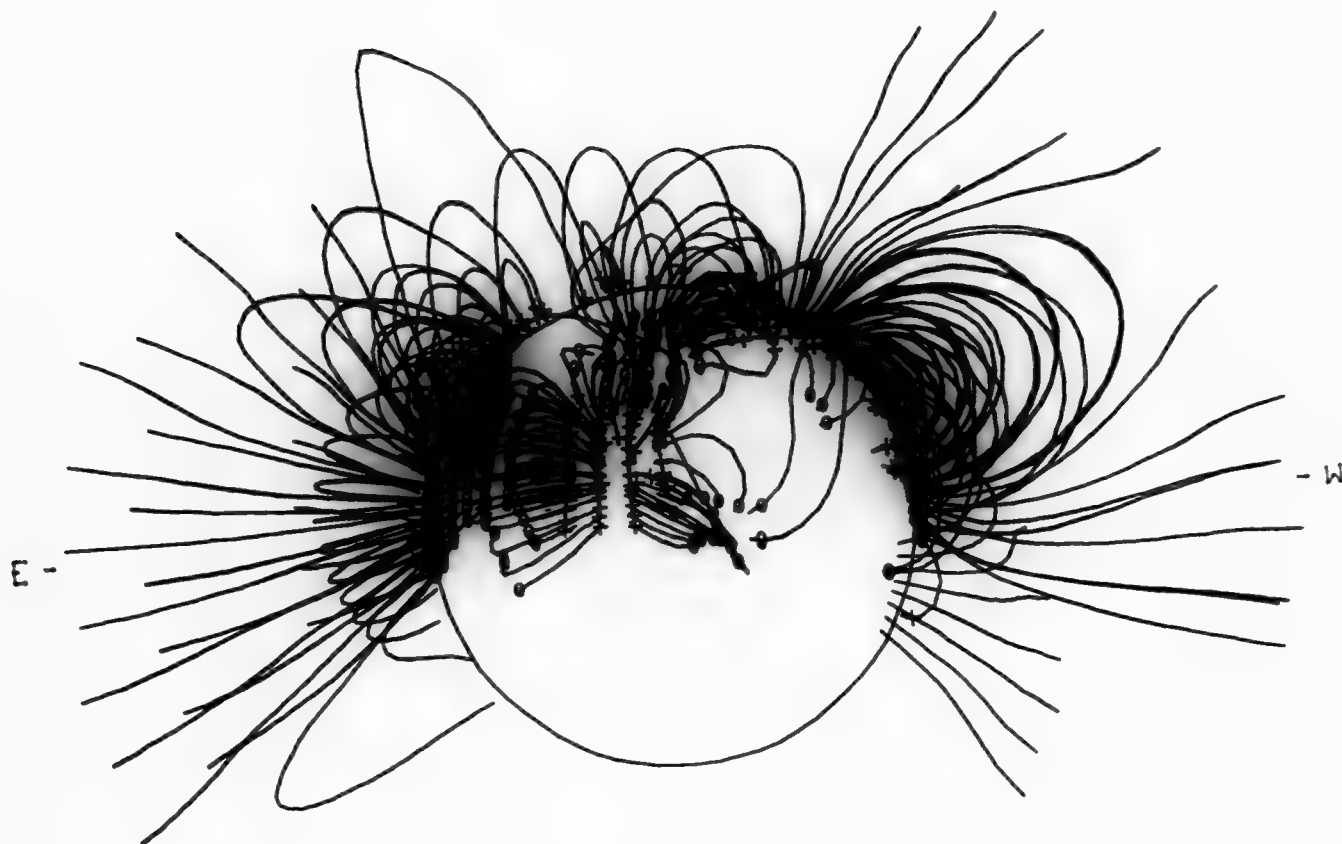
I
S

ROT. 1460 LONG. 260°

1.0 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I

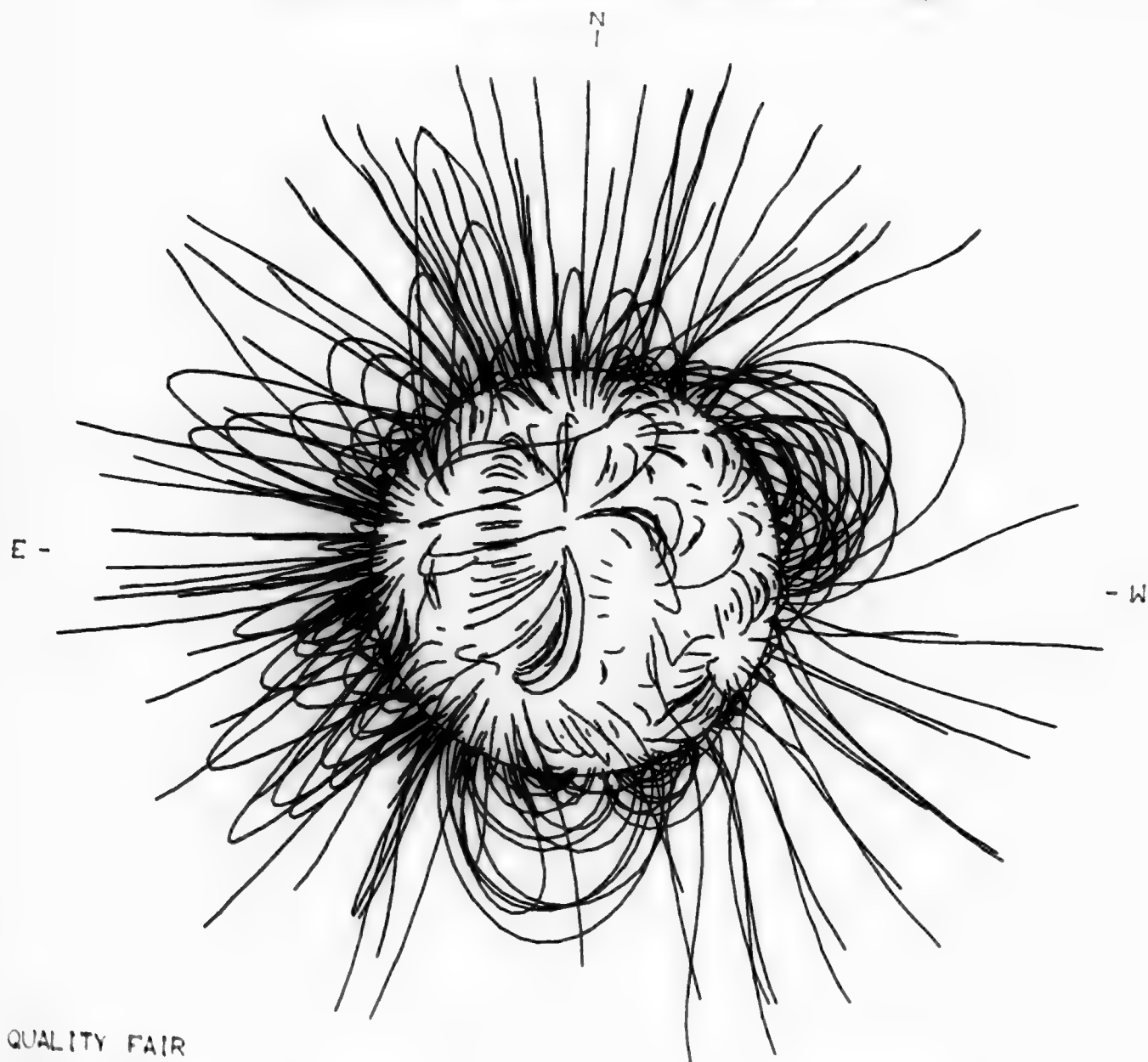


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 260°
1.0 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



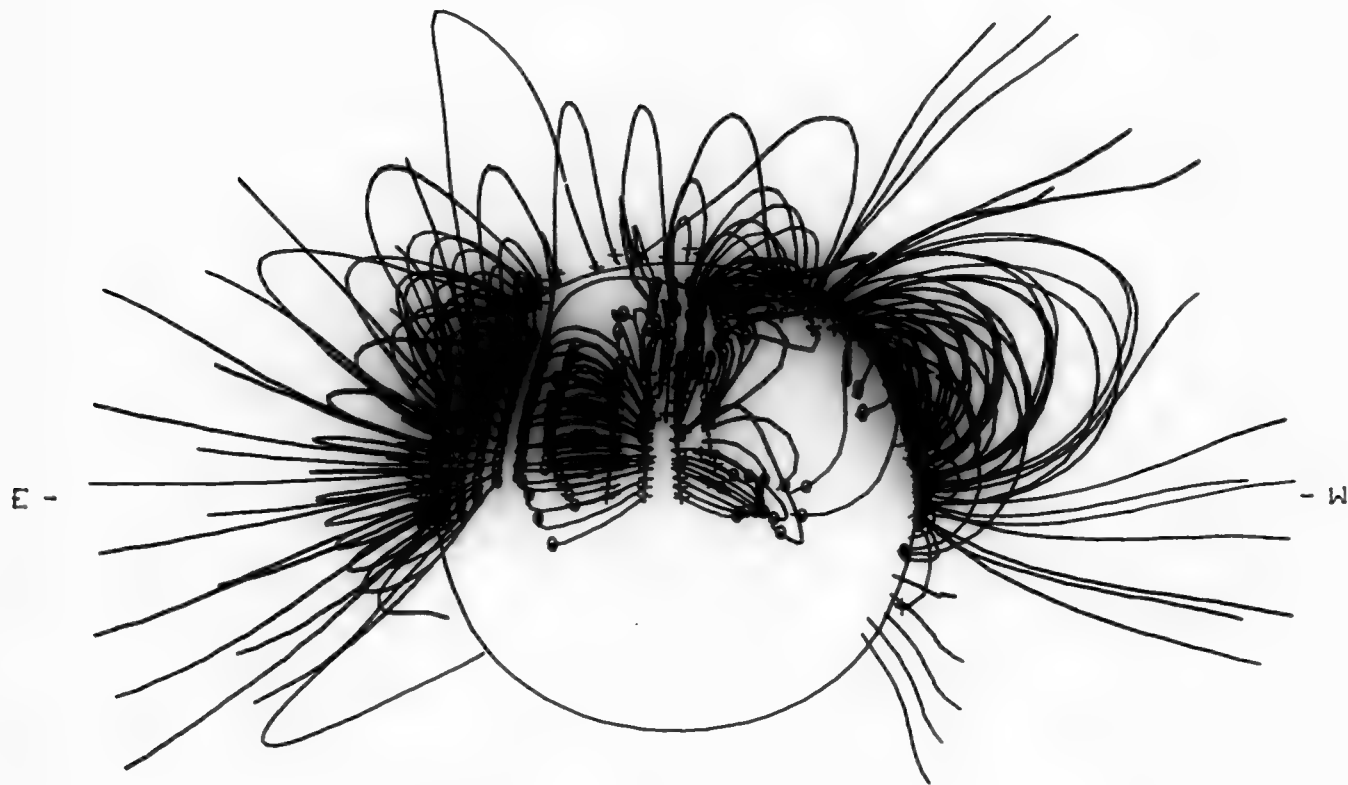
QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 250°
1.7 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I



QUALITY FAIR

POLES DIRECT

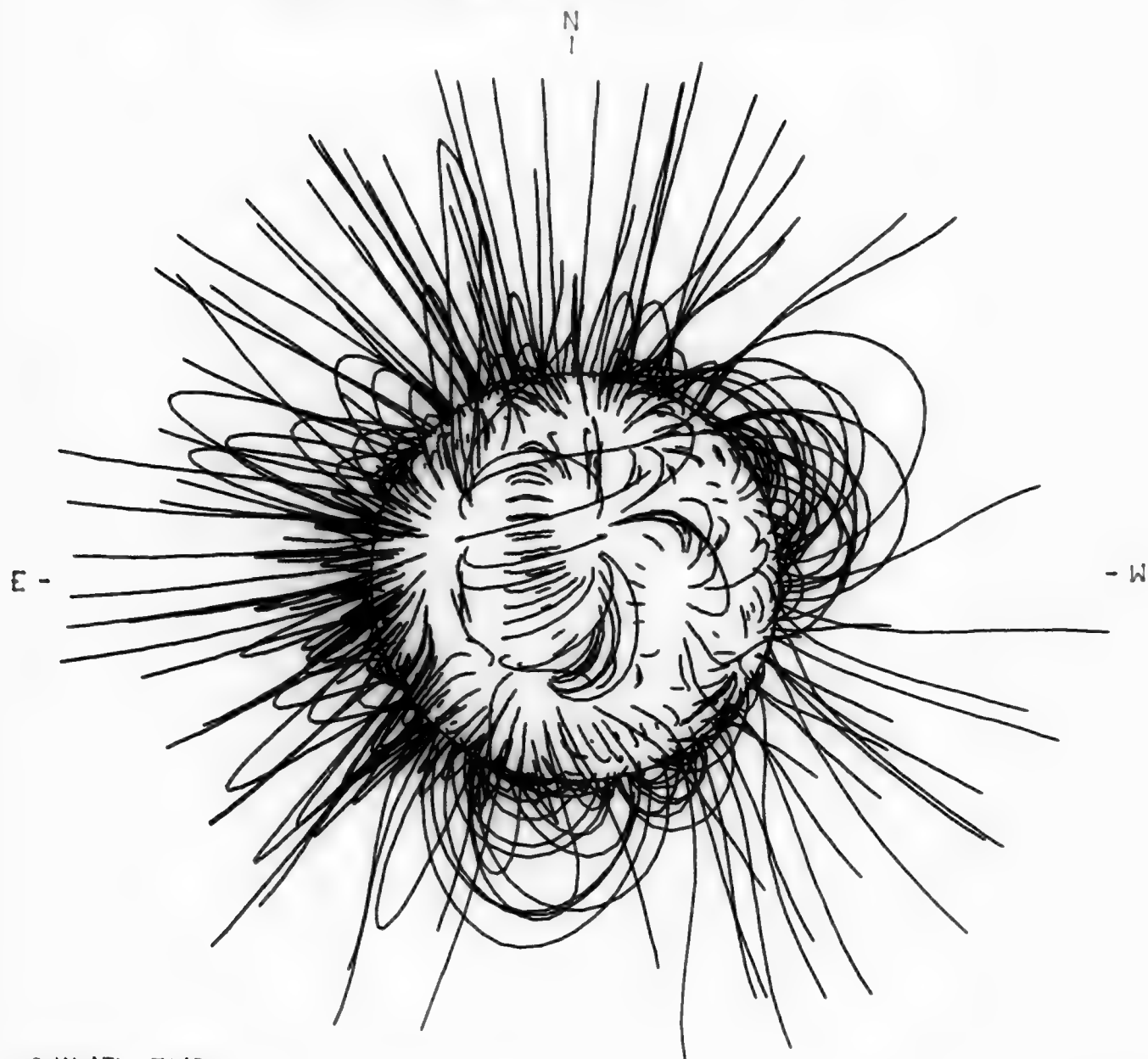
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 250°

1.7 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

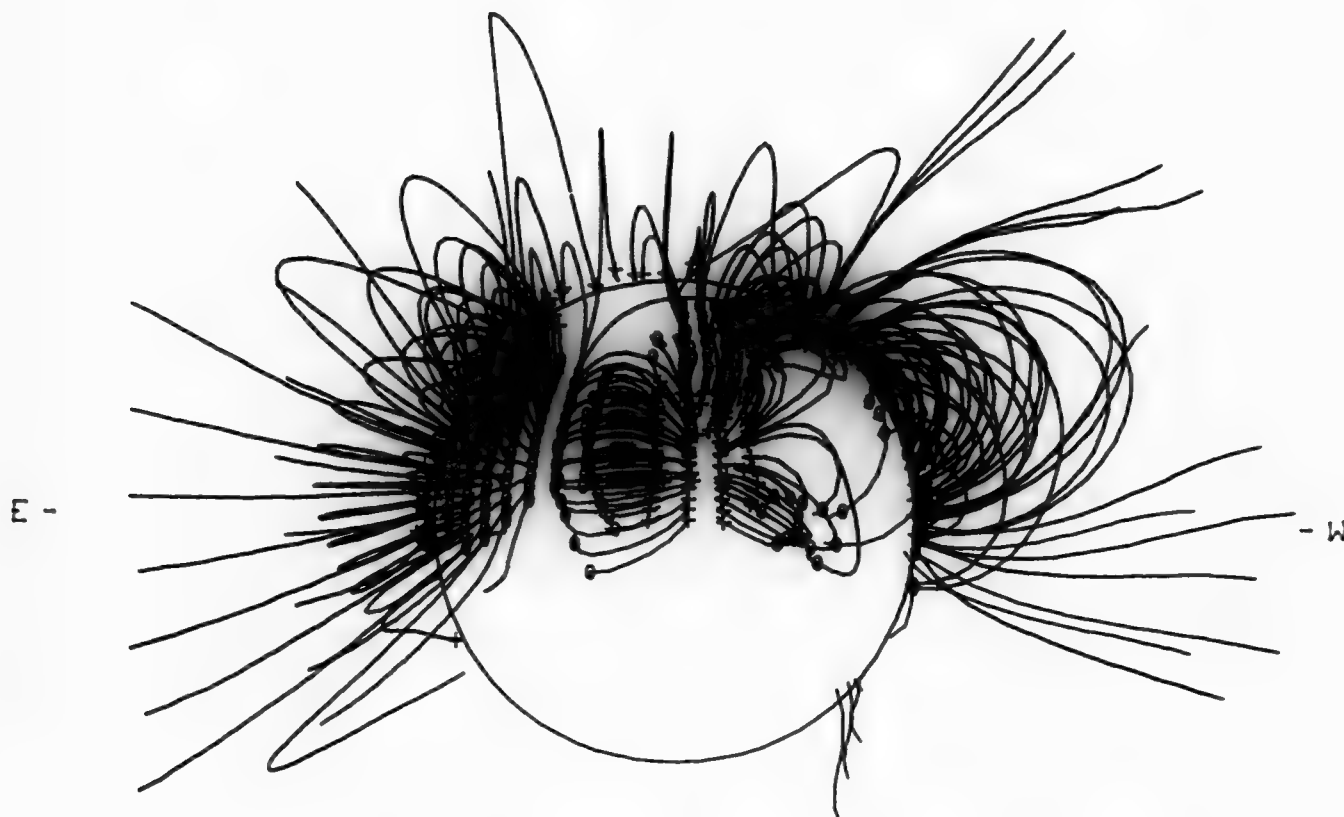
I
S

ROT. 1460 LONG. 240°

2.5 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I



QUALITY FAIR

POLES DIRECT

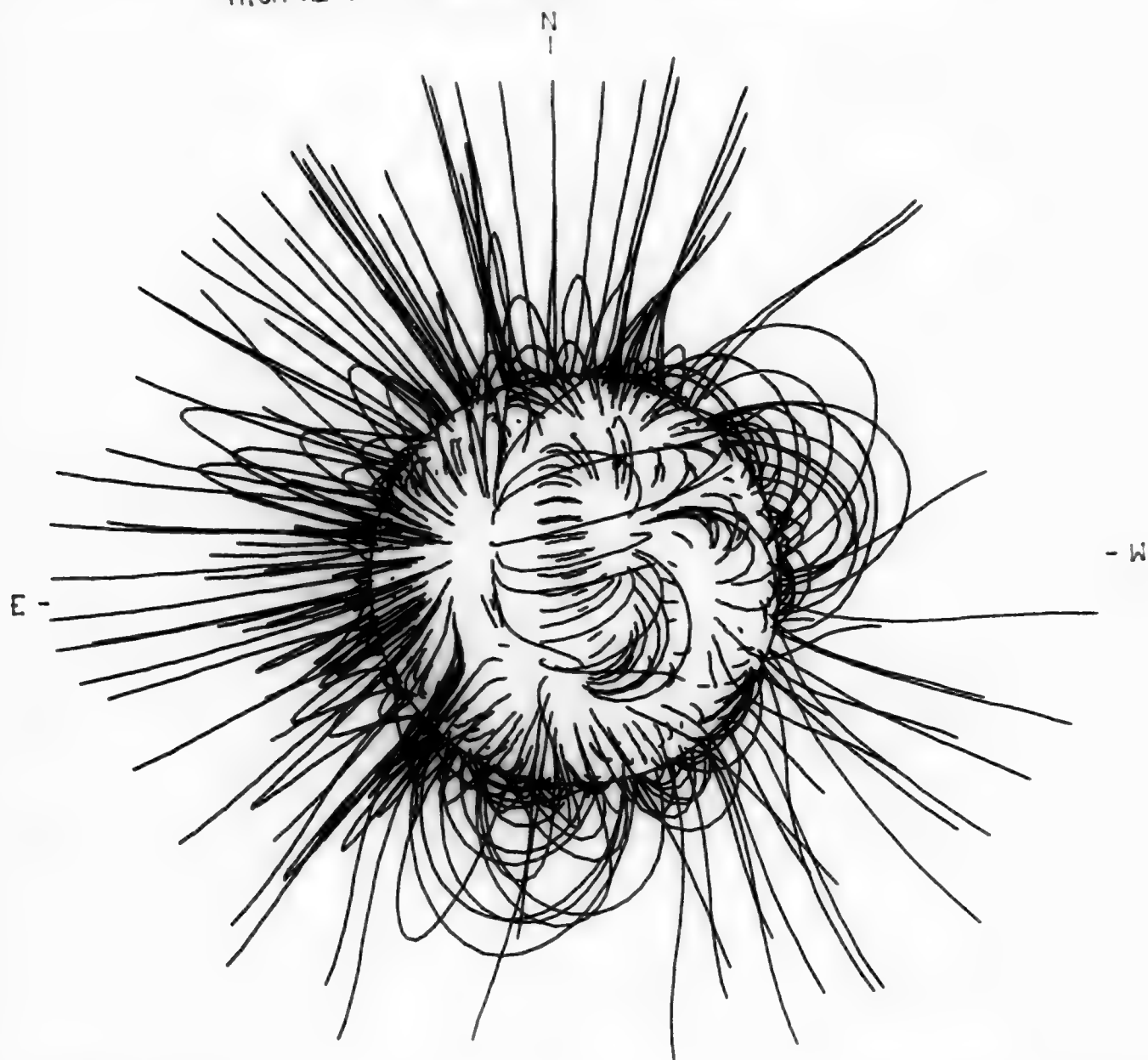
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 240°

2.5 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 230°
3.3 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I



QUALITY FAIR

POLES DIRECT

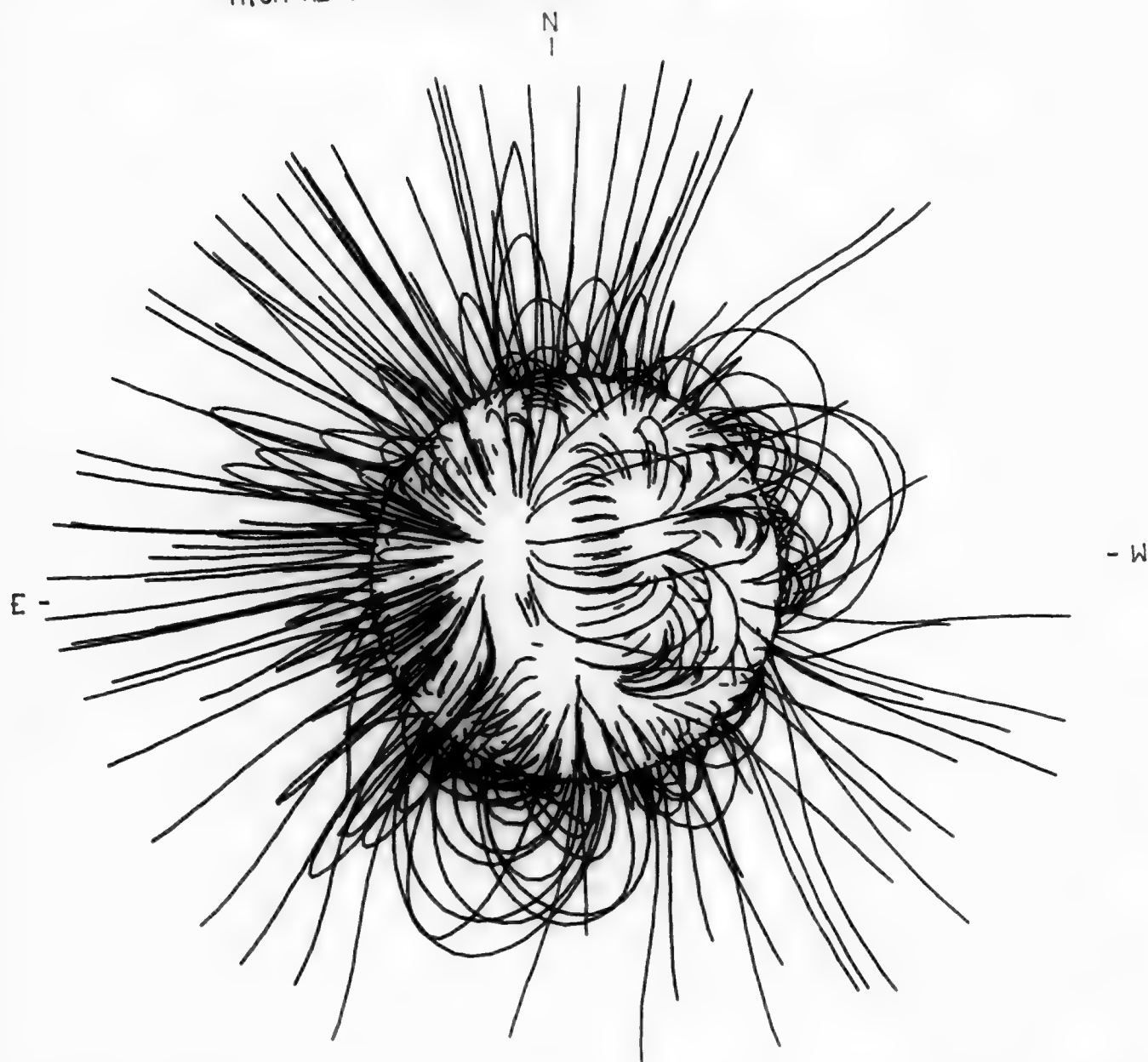
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 230°

3.3 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



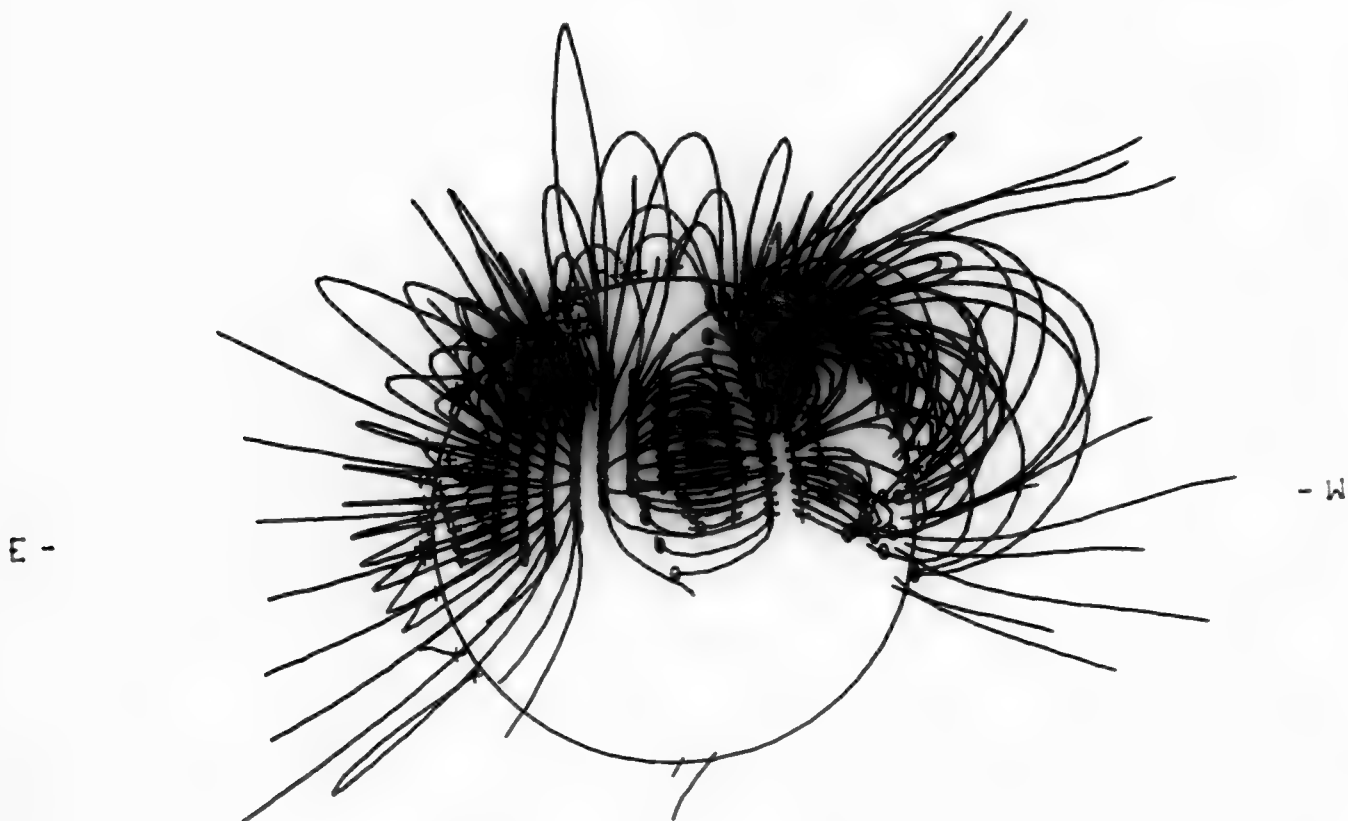
QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 220°
4.0 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

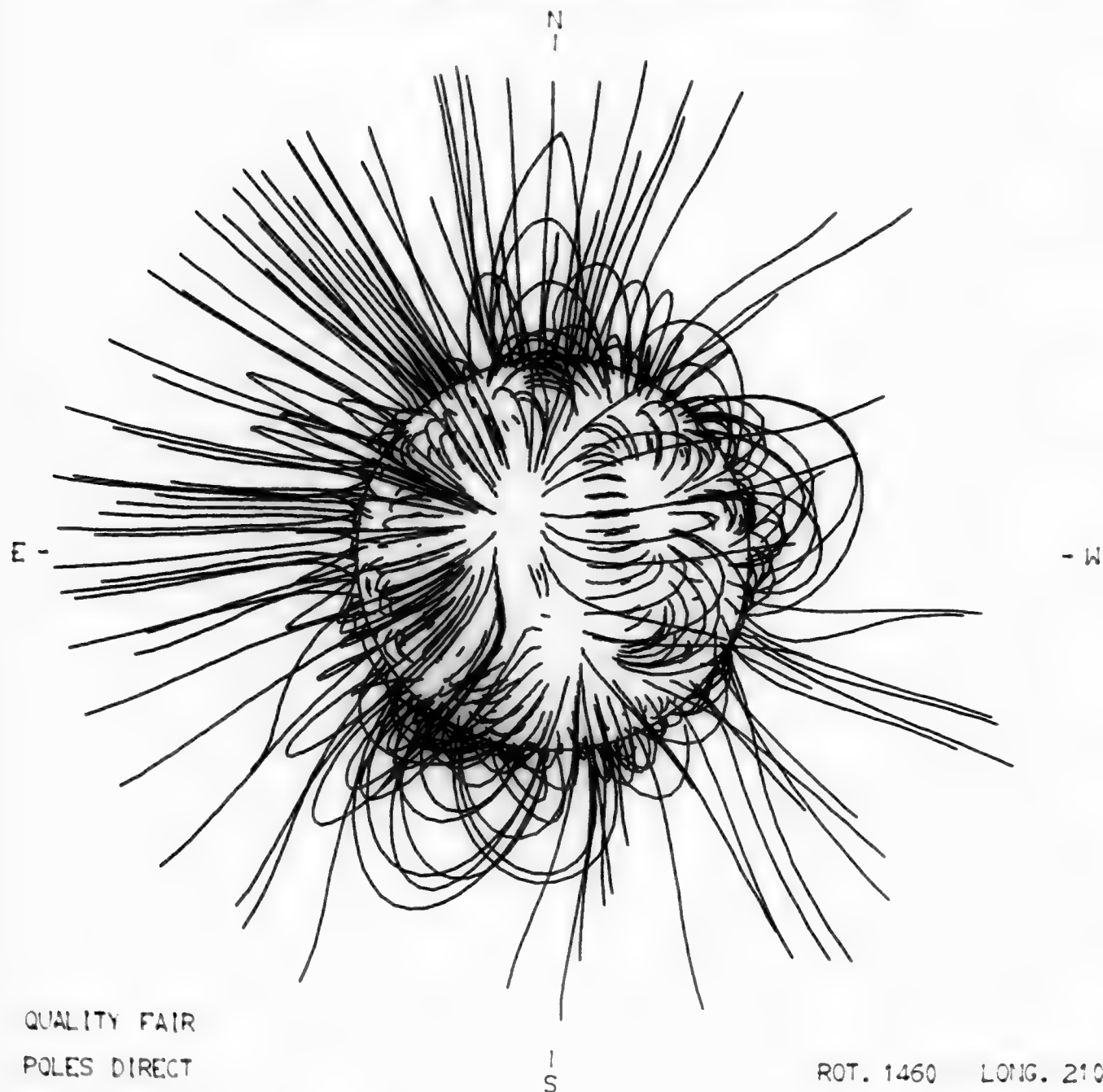


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 220°
4.0 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

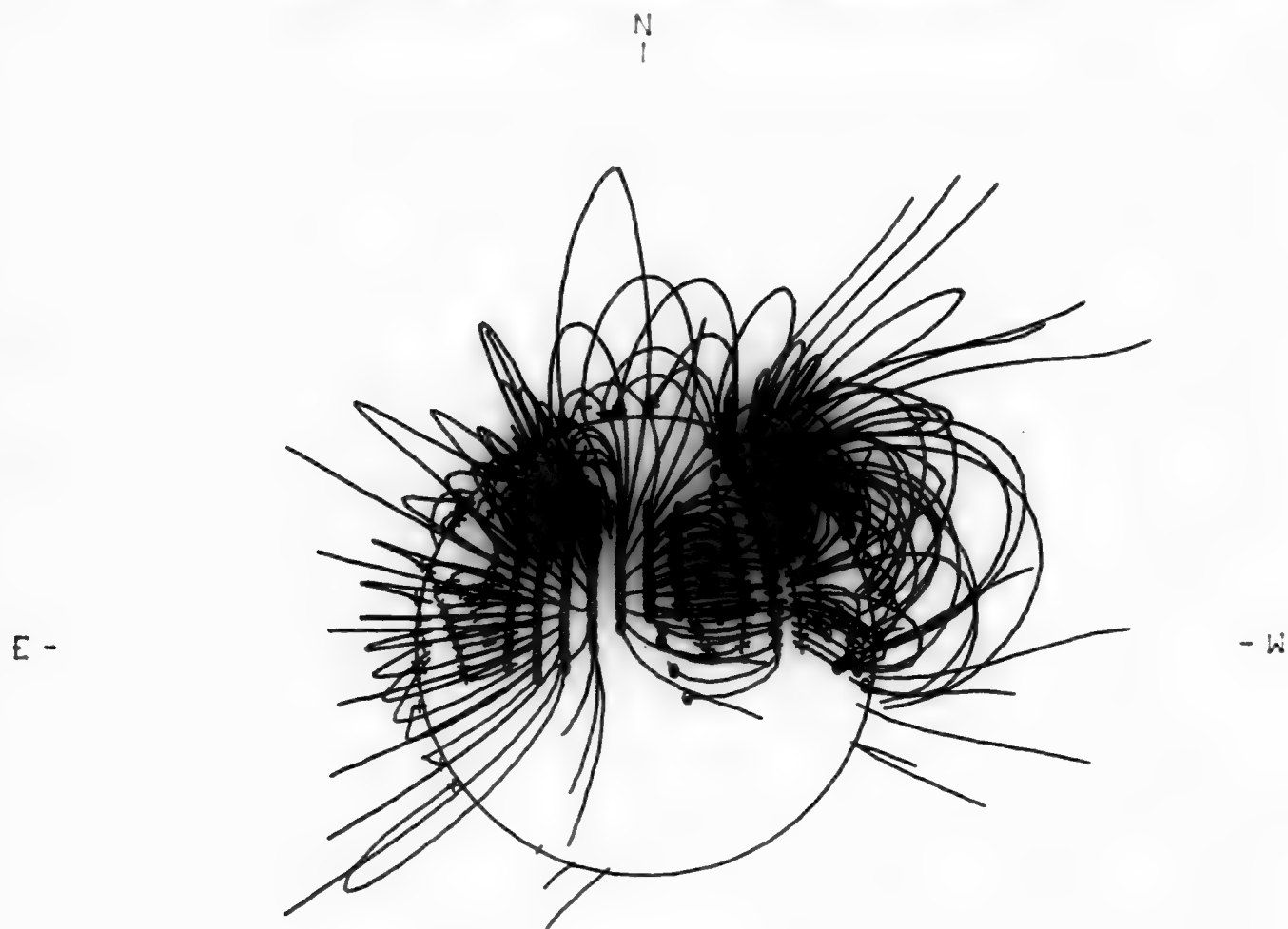
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 210°

4.8 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

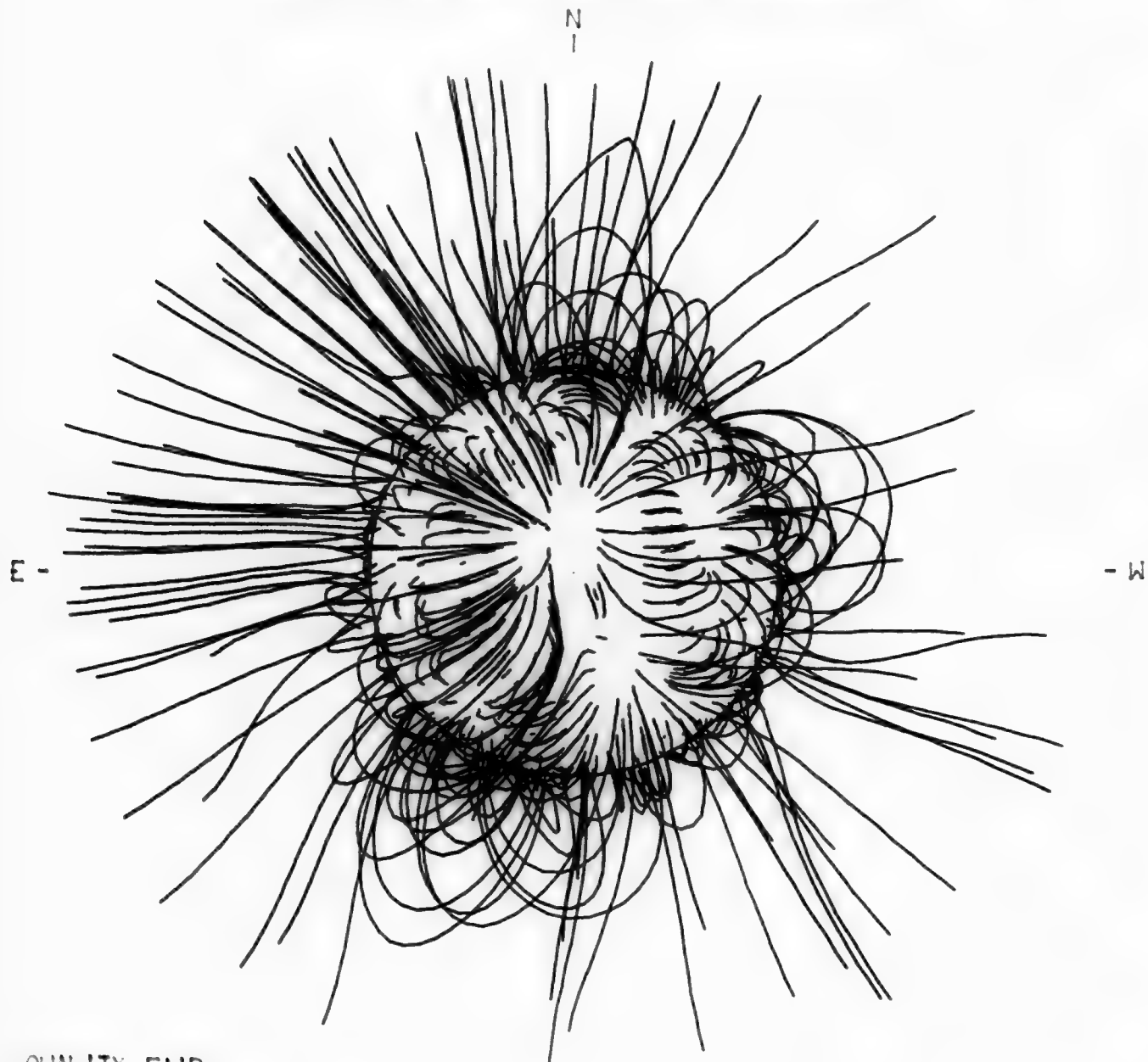
DATA WINDOW 1460.00

!
S

ROT. 1460 LONG. 210°

4.8 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

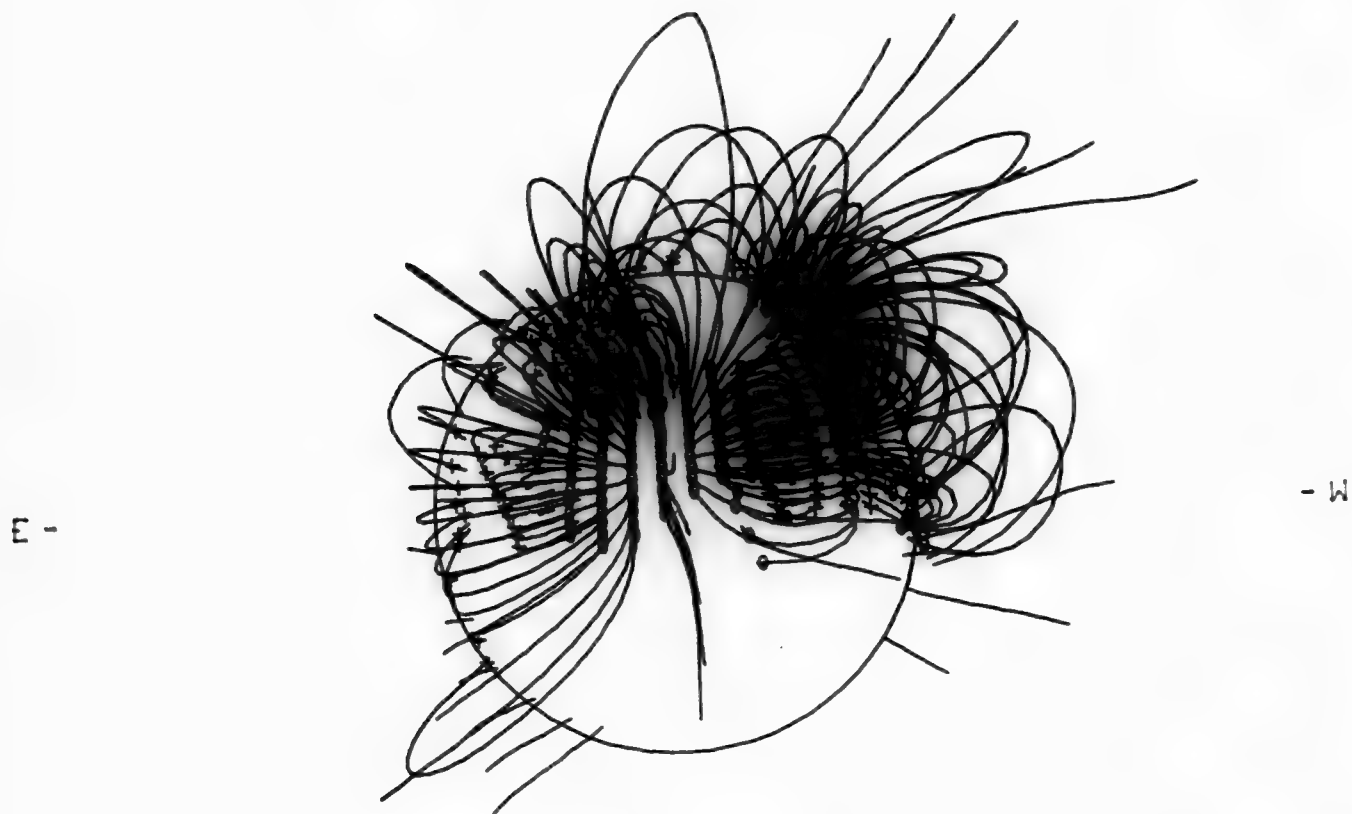
S

ROT. 1460 LONG. 200°

5.5 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I



QUALITY FAIR

POLES DIRECT

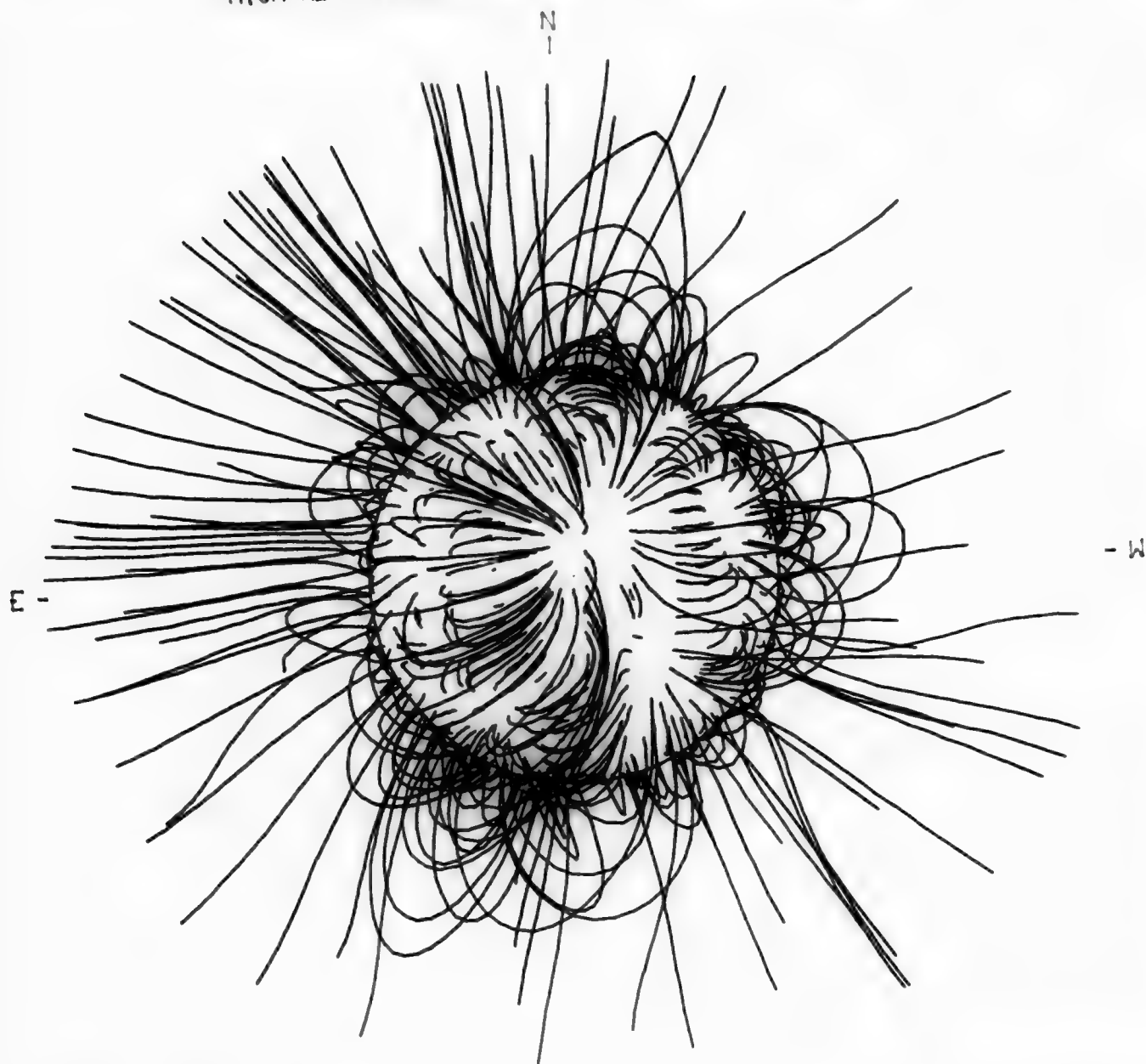
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 200°

5.5 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

I
S

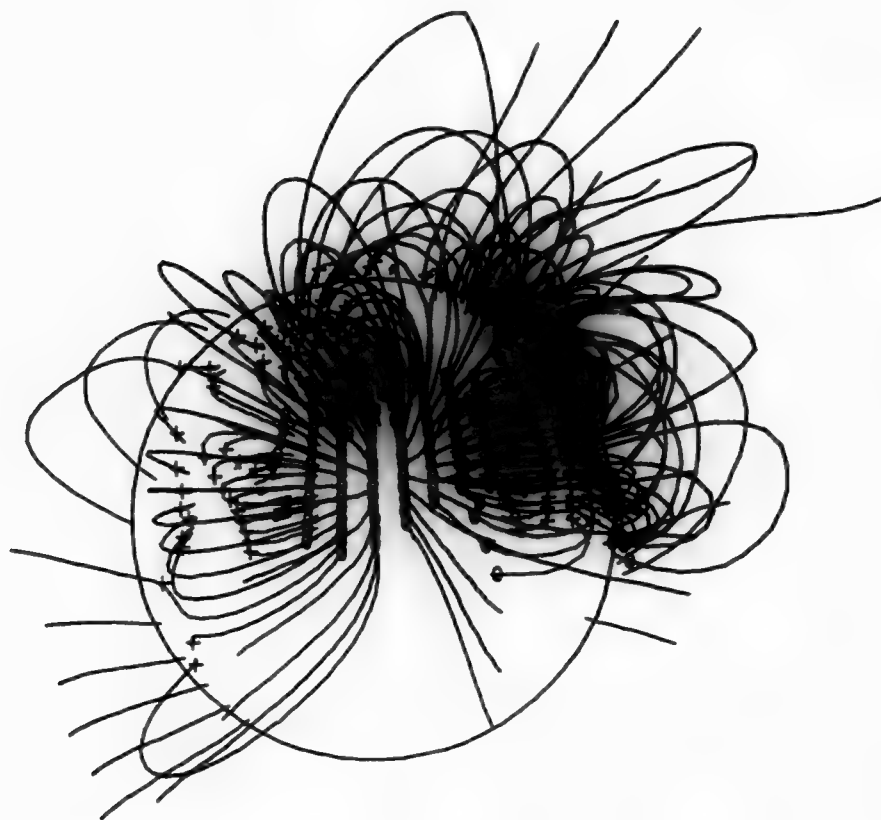
ROT. 1460 LONG. 190°
6.3 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

E -

- W



QUALITY FAIR

POLES DIRECT

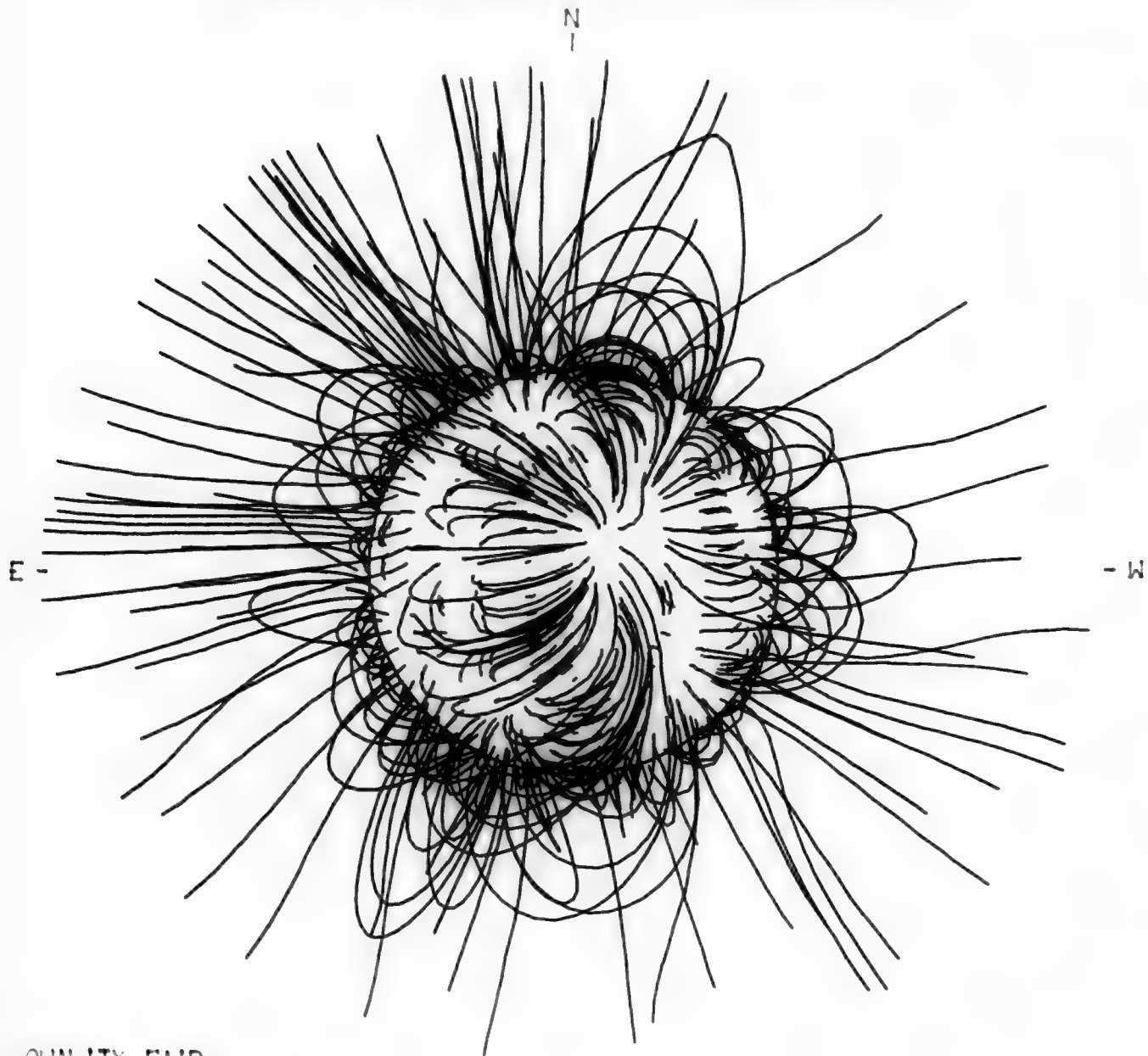
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 190°

6.3 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

S

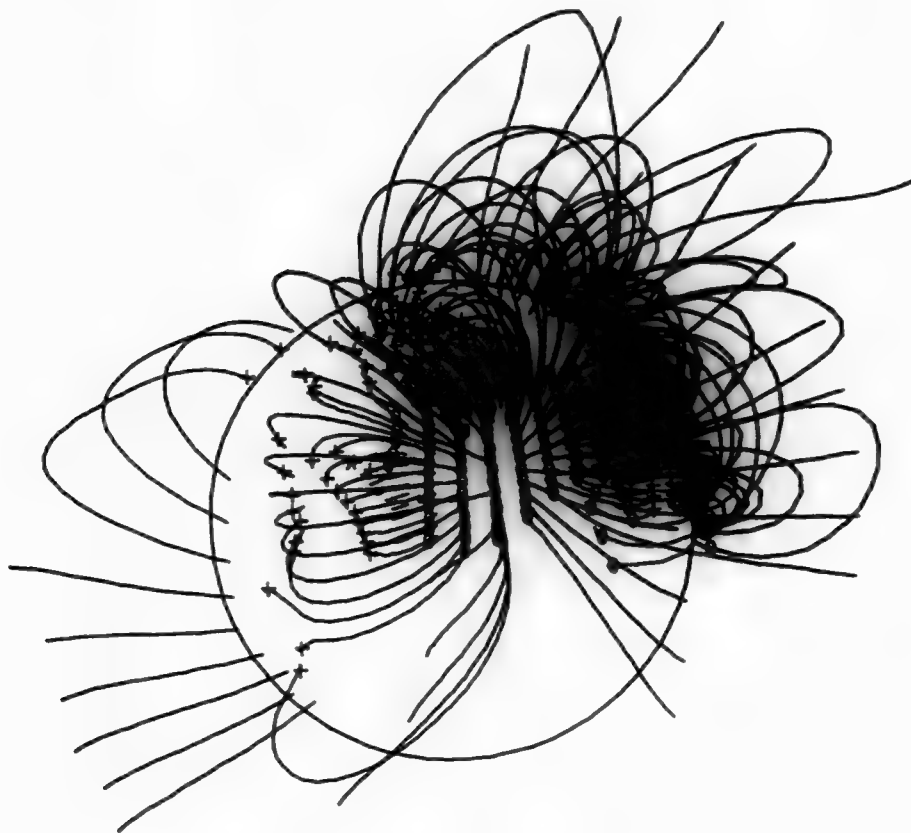
ROT. 1460 LONG. 180°

7.0 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

E -



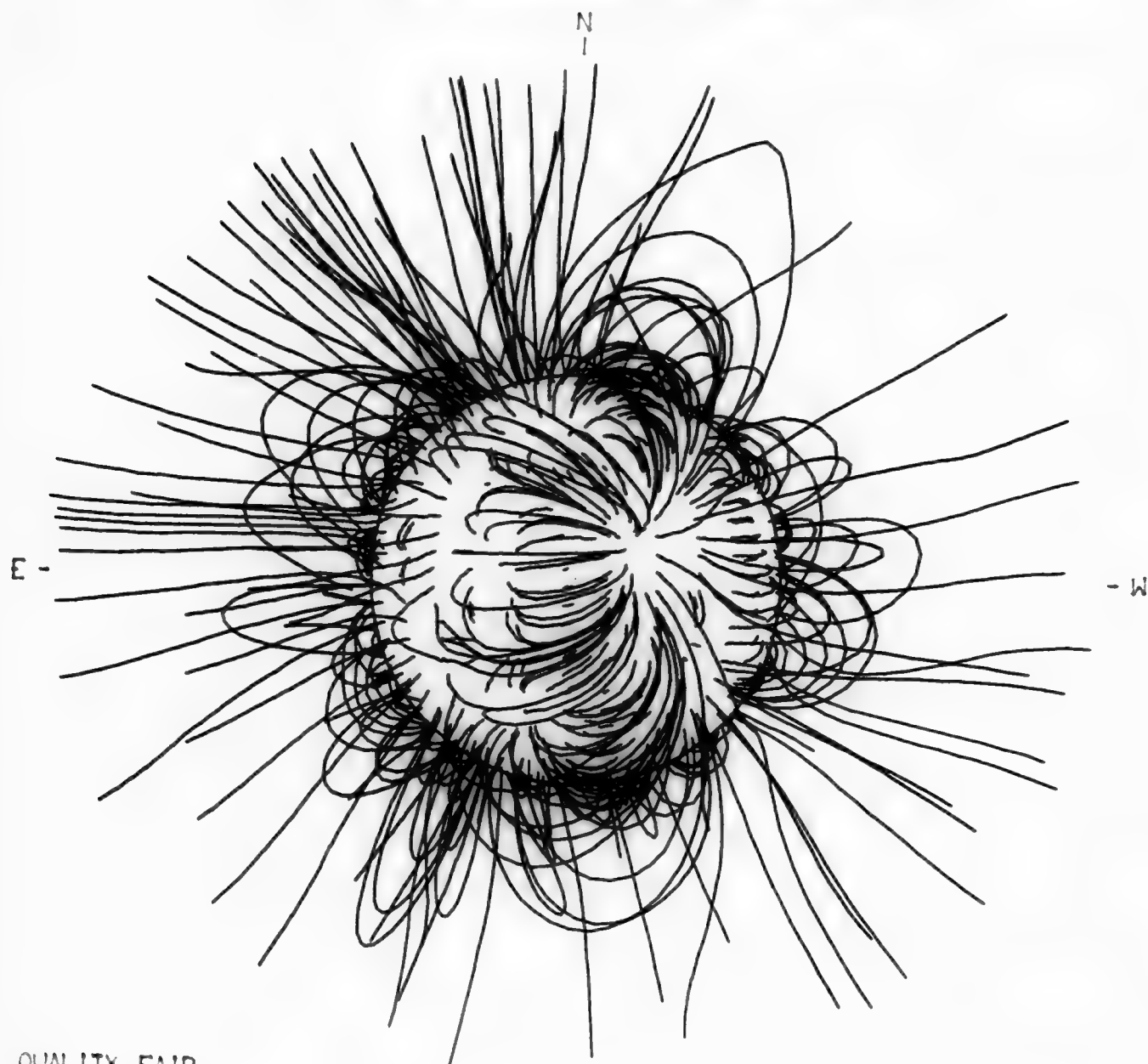
- W

QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

|
S

ROT. 1460 LONG. 180°
7.0 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

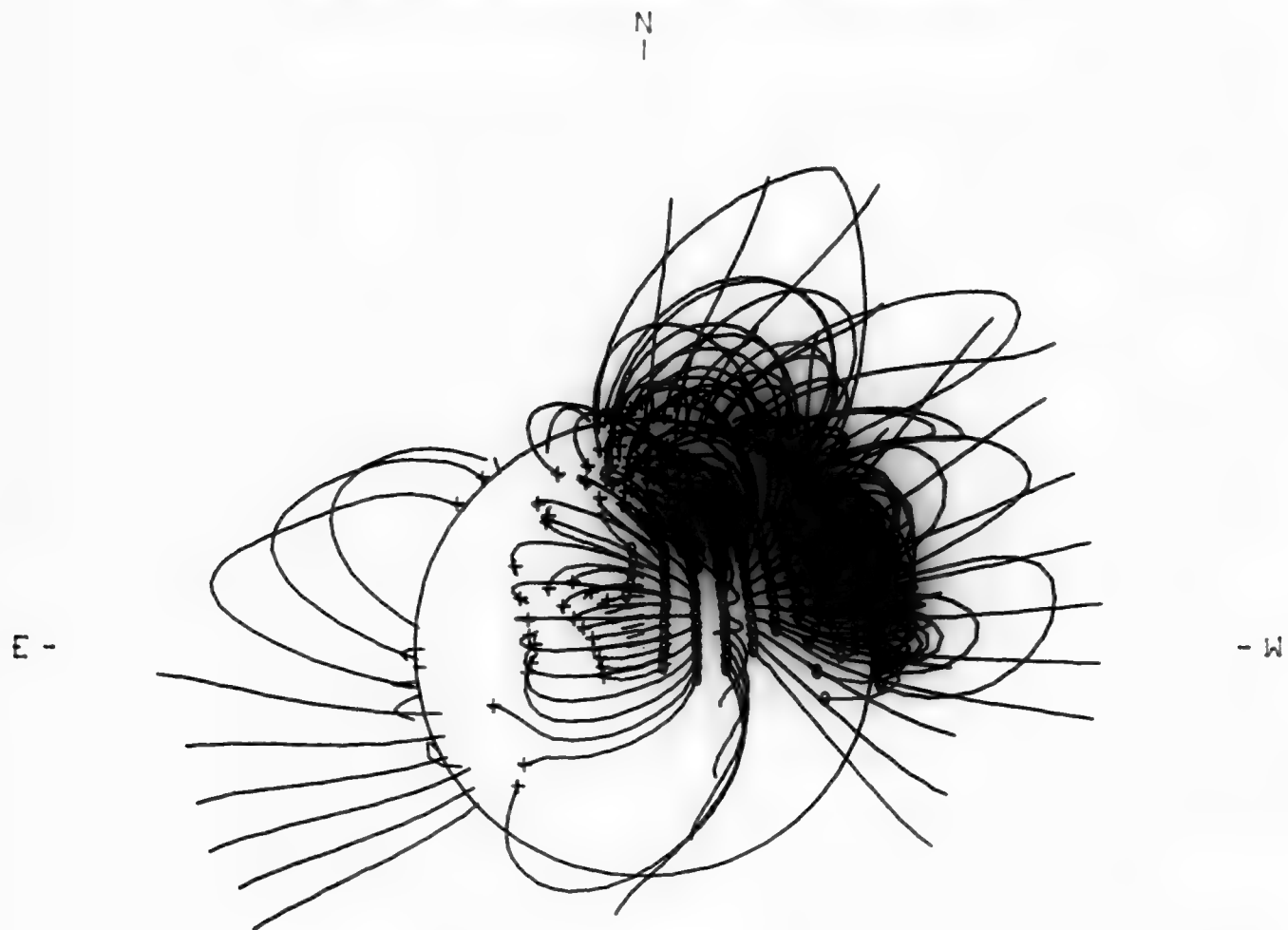
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 170°

7.8 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

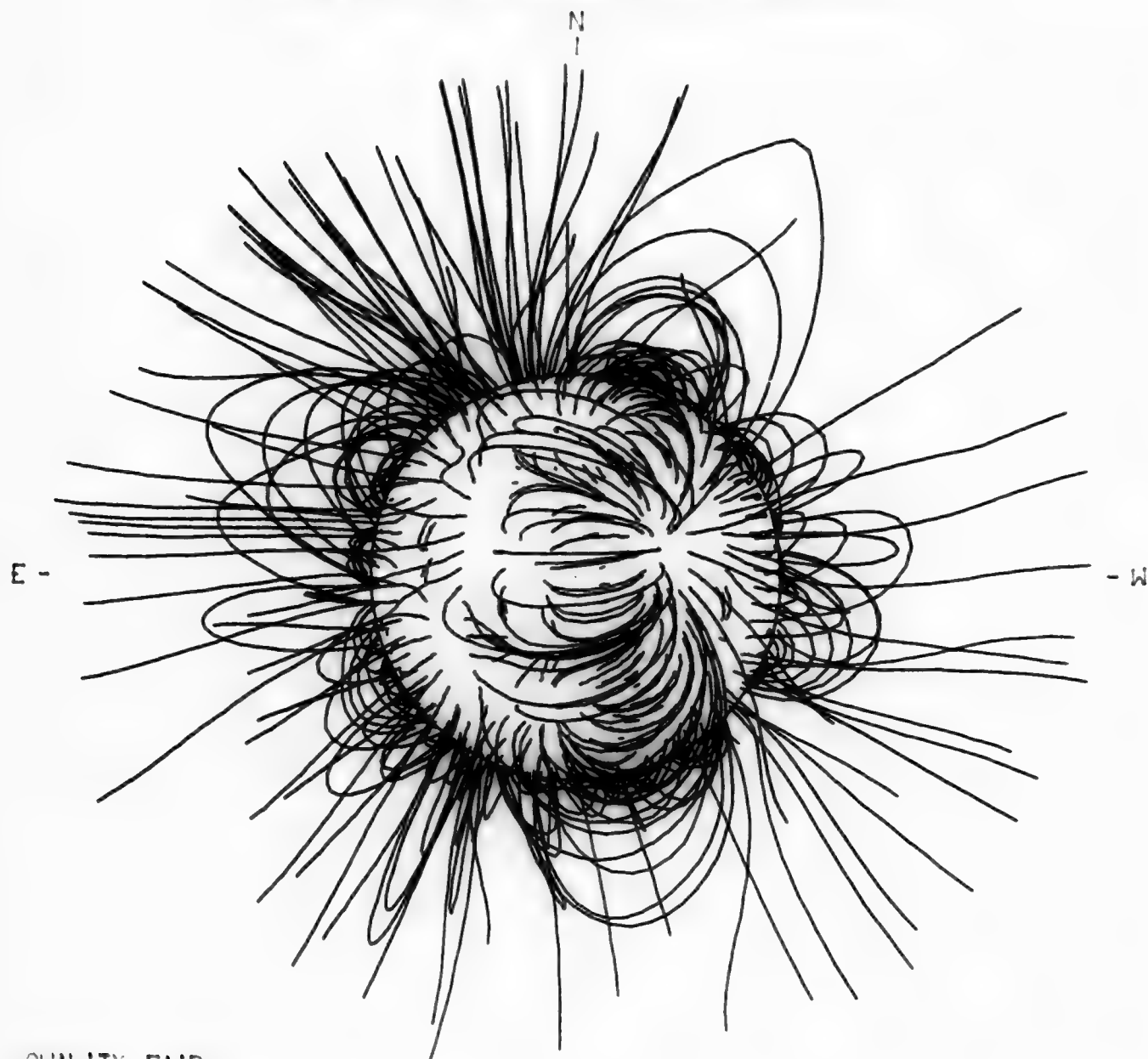
DATA WINDOW 1460.00

|
S

ROT. 1460 LONG. 170°

7.8 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

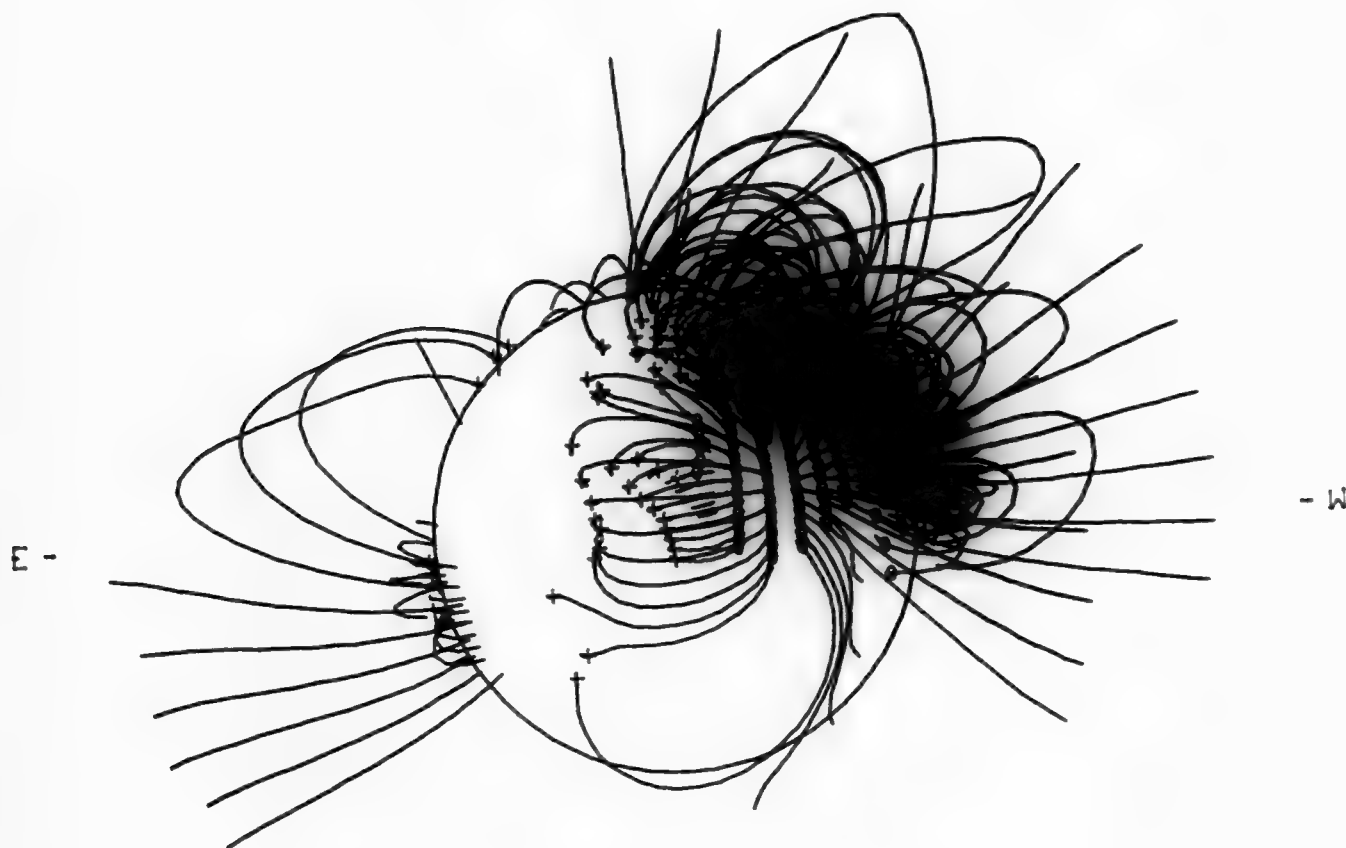
I
S

ROT. 1460 LONG. 160°

8.6 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I

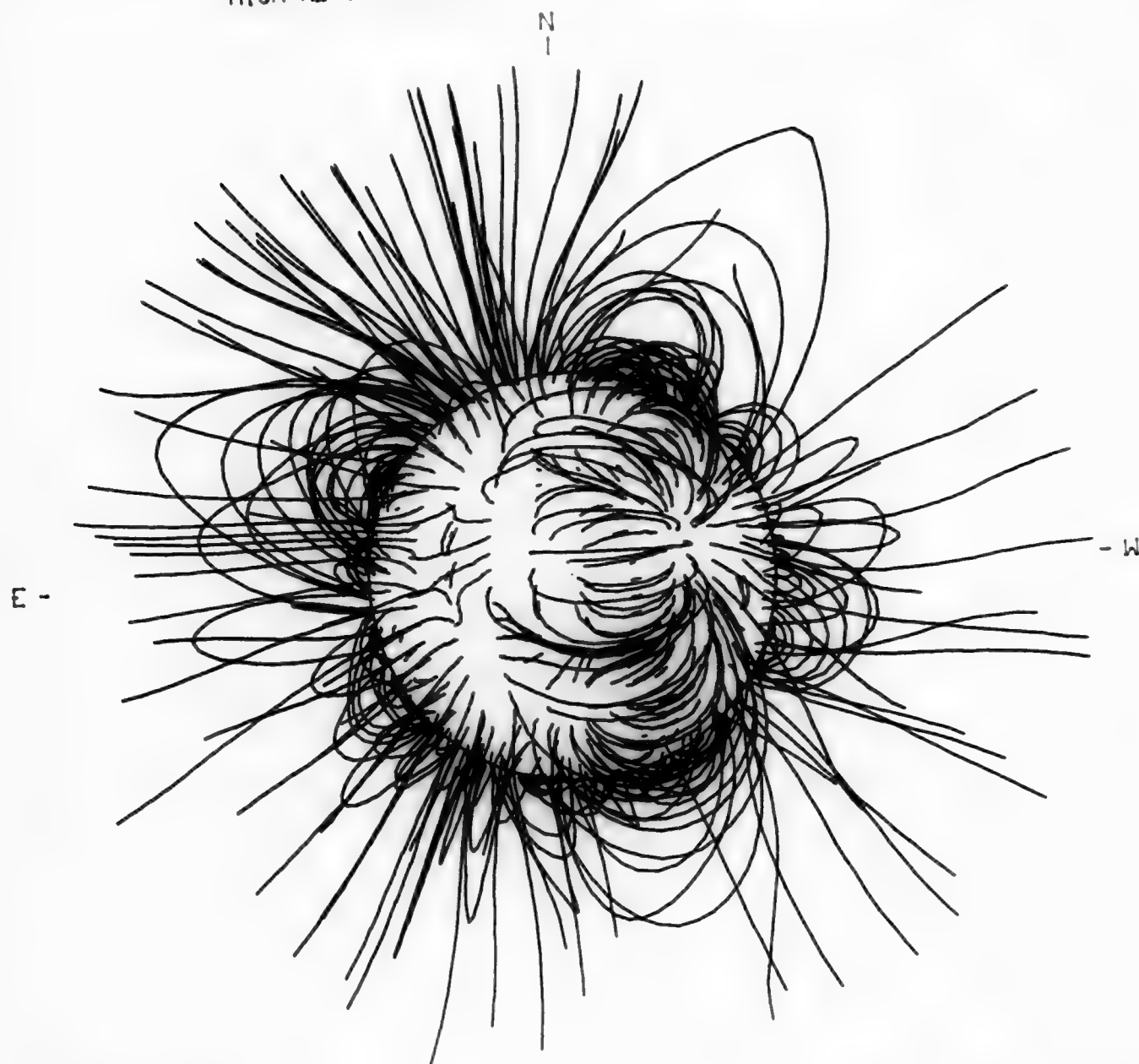


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 160°
8.6 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



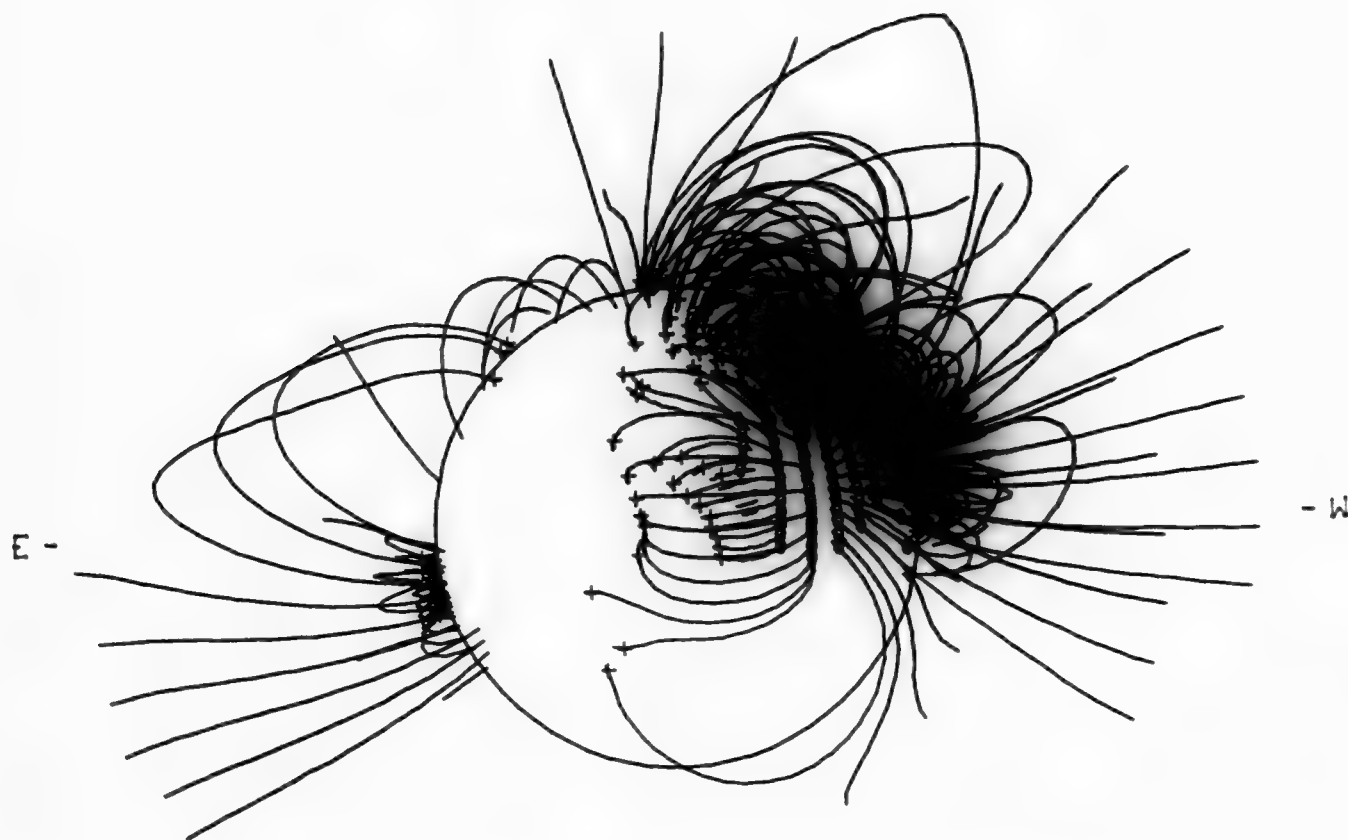
QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 150°
9.3 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|



QUALITY FAIR

POLES DIRECT

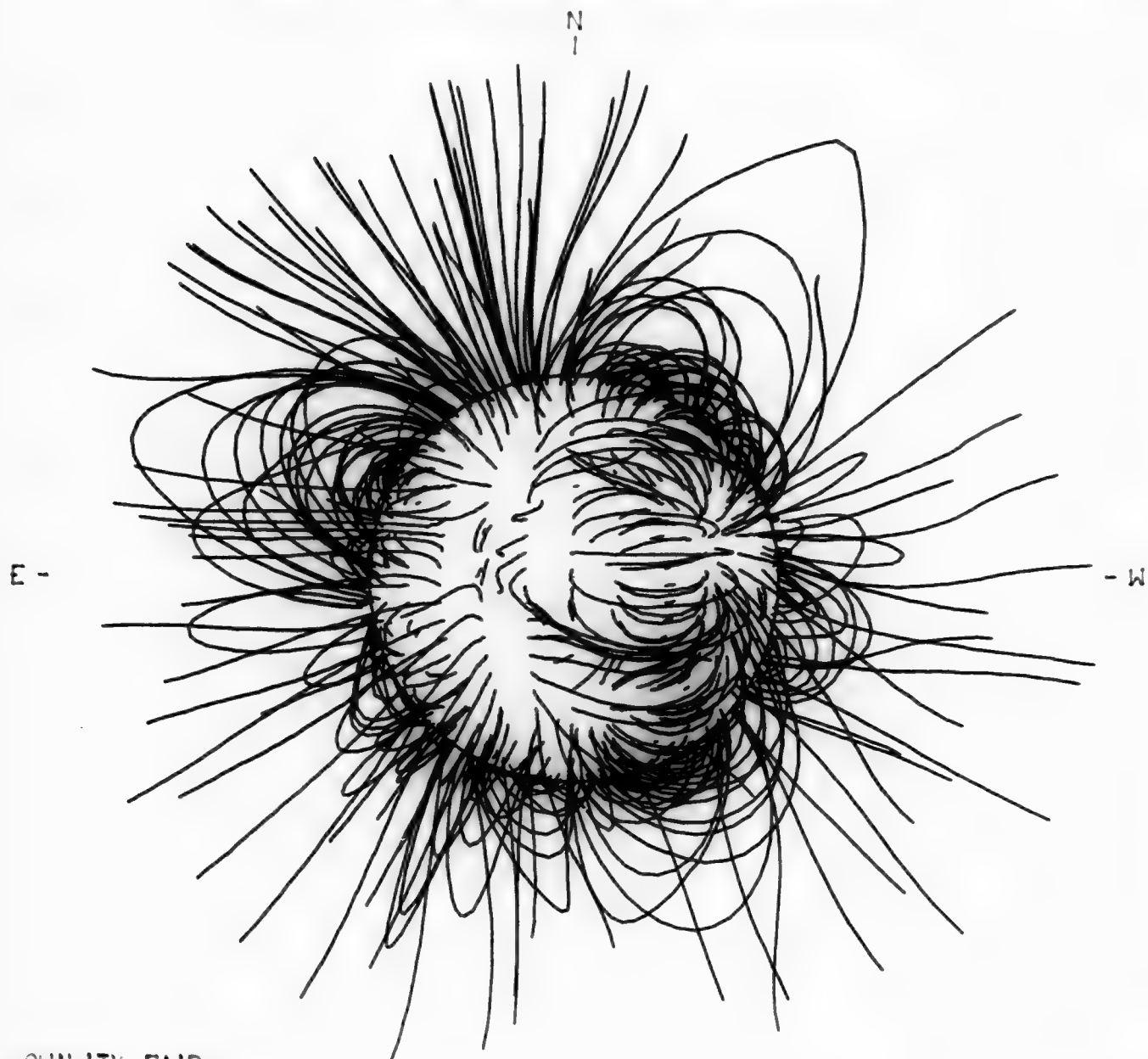
DATA WINDOW 1460.00

1
S

ROT. 1460 LONG. 150°

9.3 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

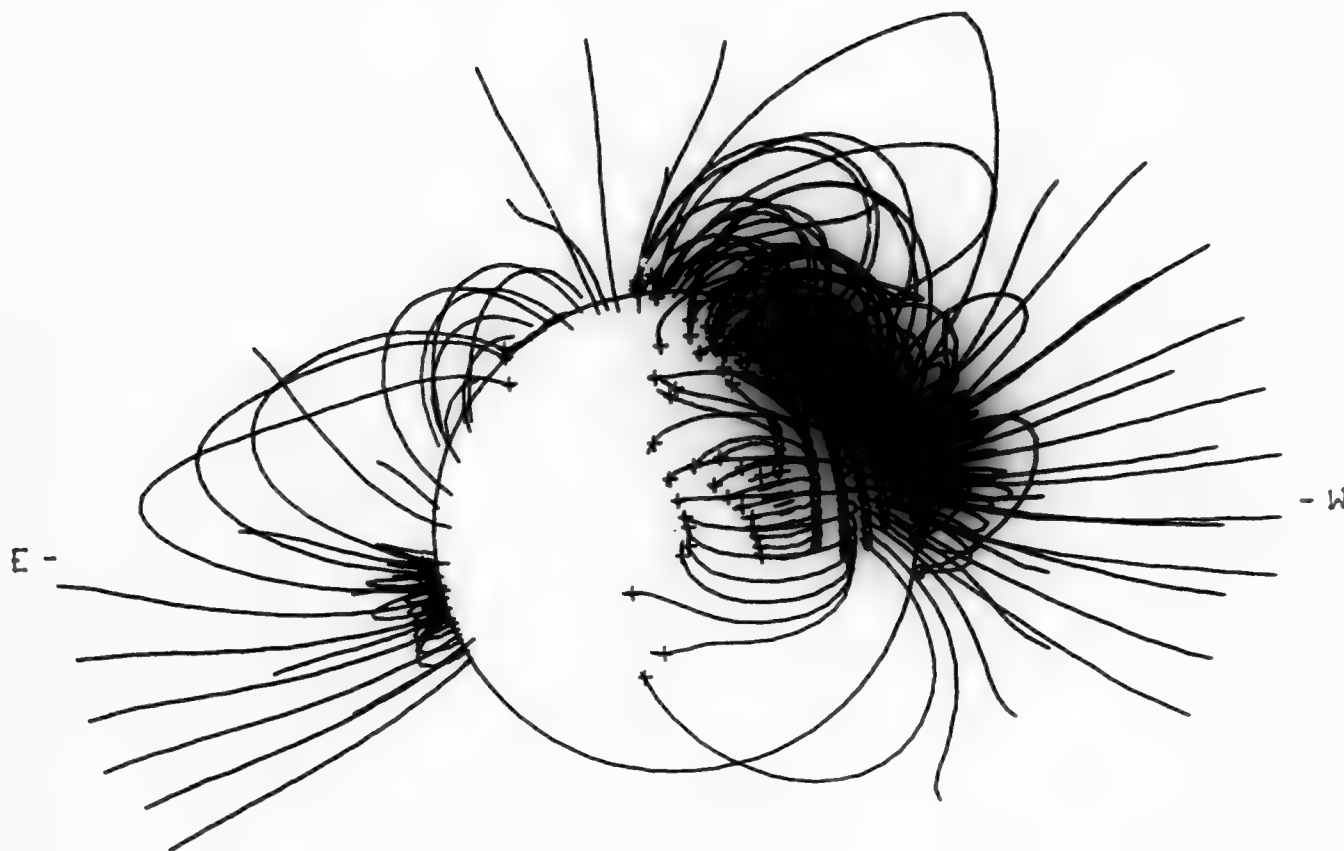
I
S

ROT. 1460 LONG. 140°

10.1 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I



QUALITY FAIR

POLES DIRECT

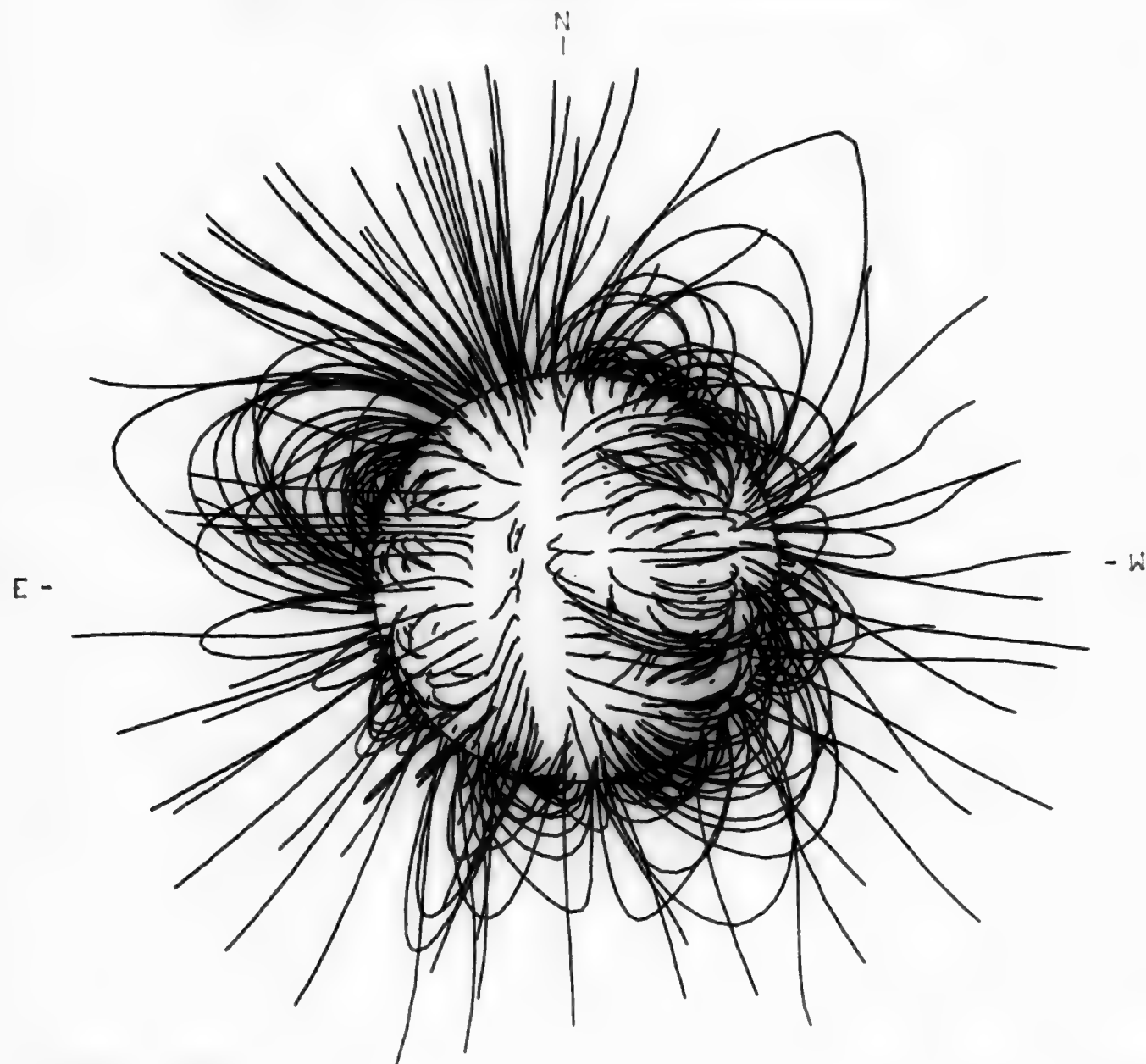
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 140°

10.1 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



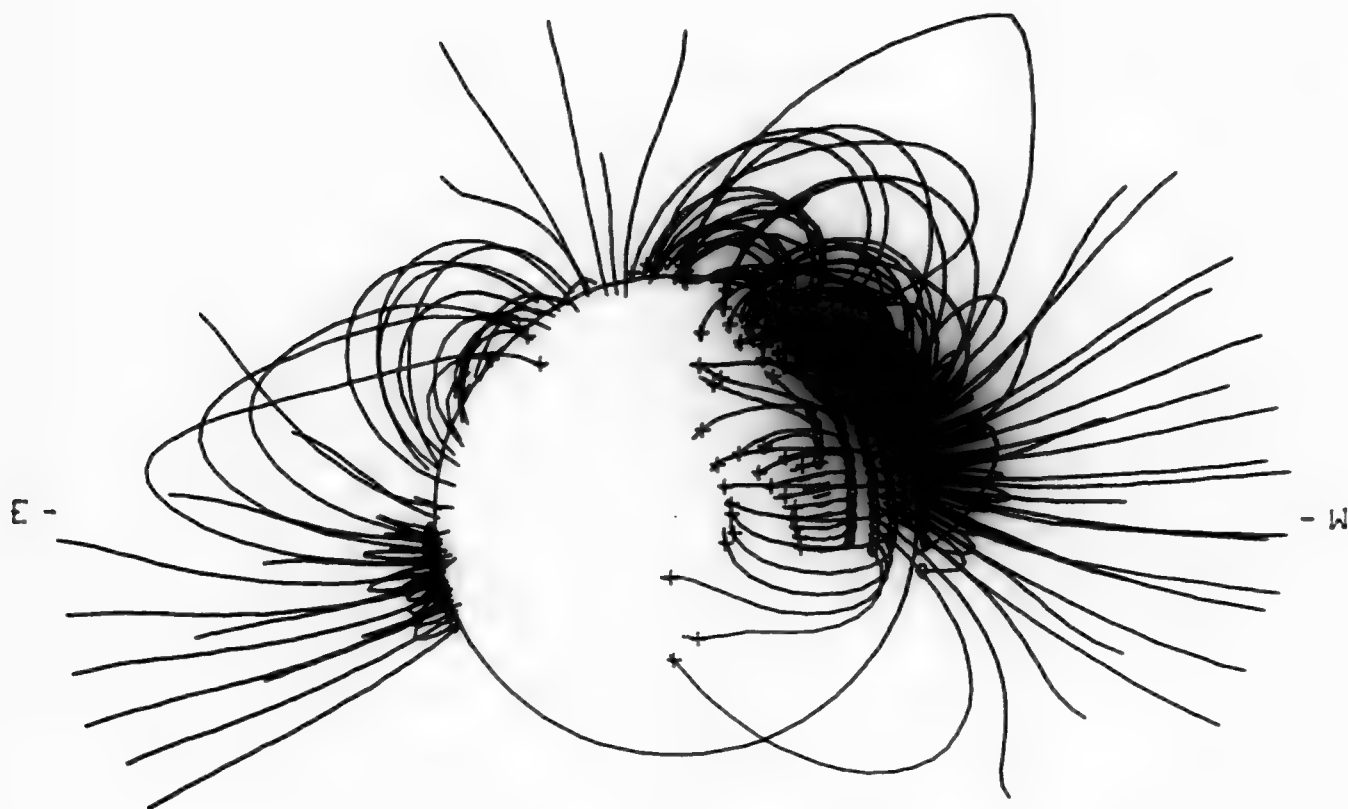
QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

1
S

ROT. 1460 LONG. 130°
10.8 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I



QUALITY FAIR

POLES DIRECT

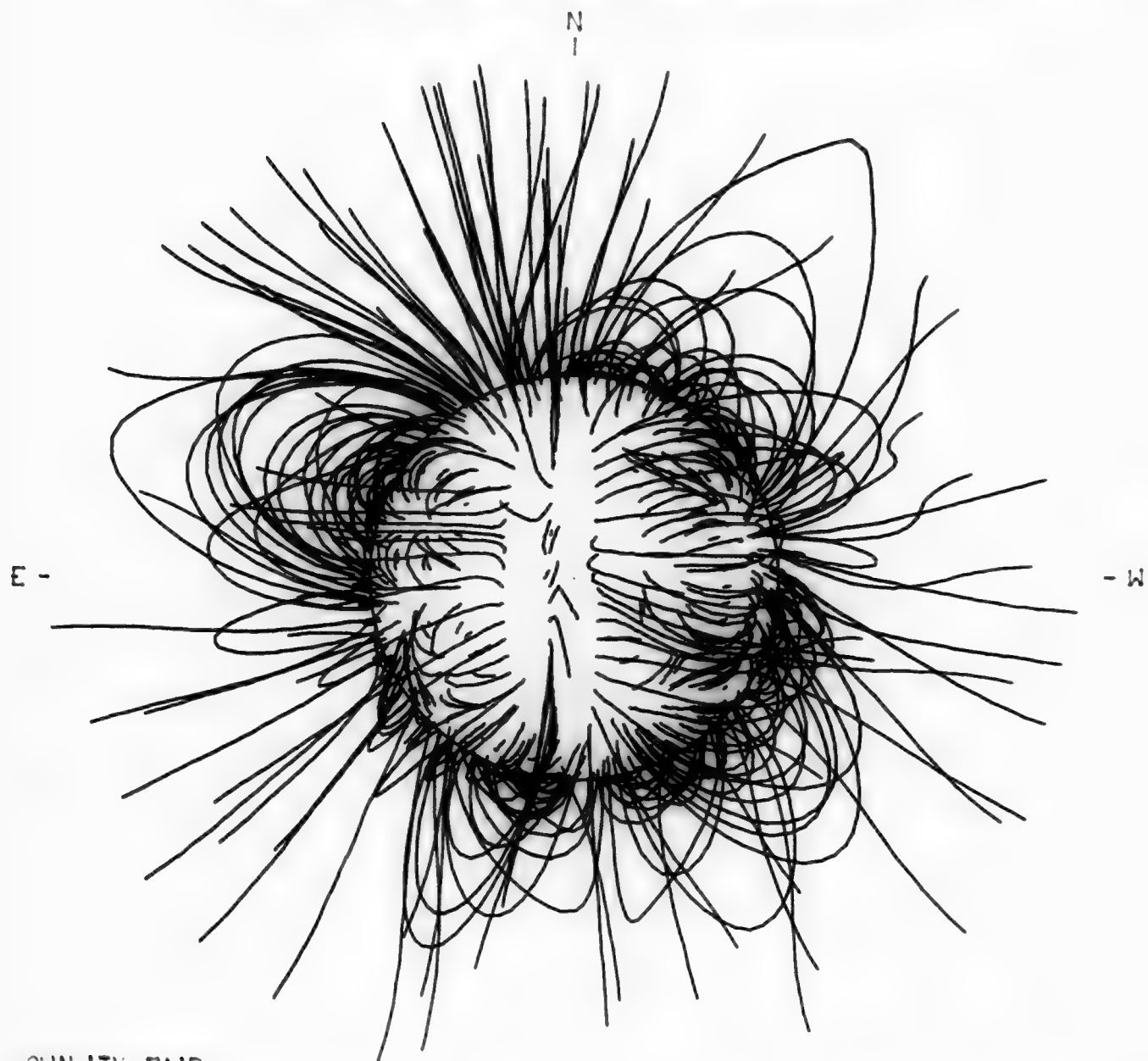
DATA WINDOW 1460.00

I
S

ROT. 1460 LONG. 130°

10.8 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

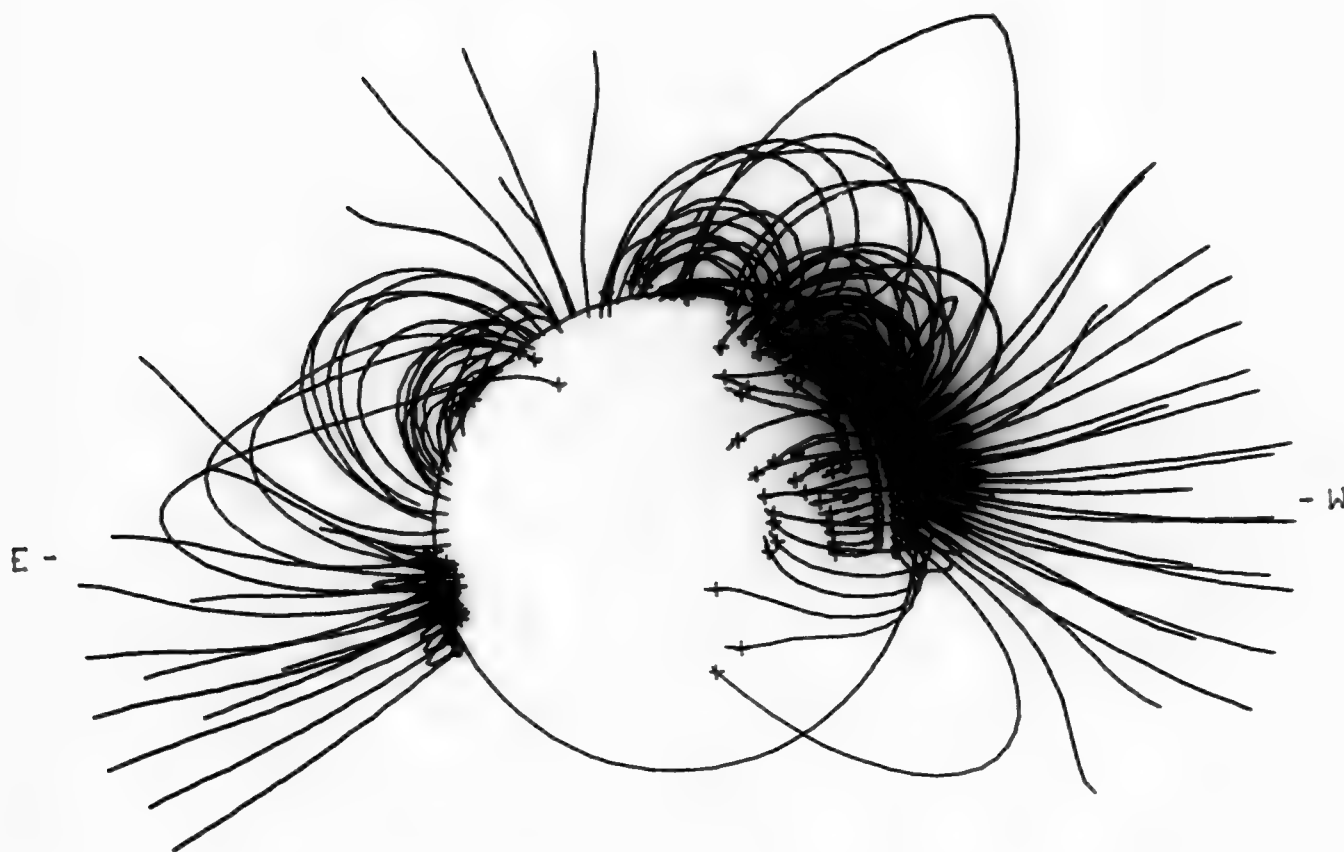
I
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ROT. 1460 LONG. 120°

11.6 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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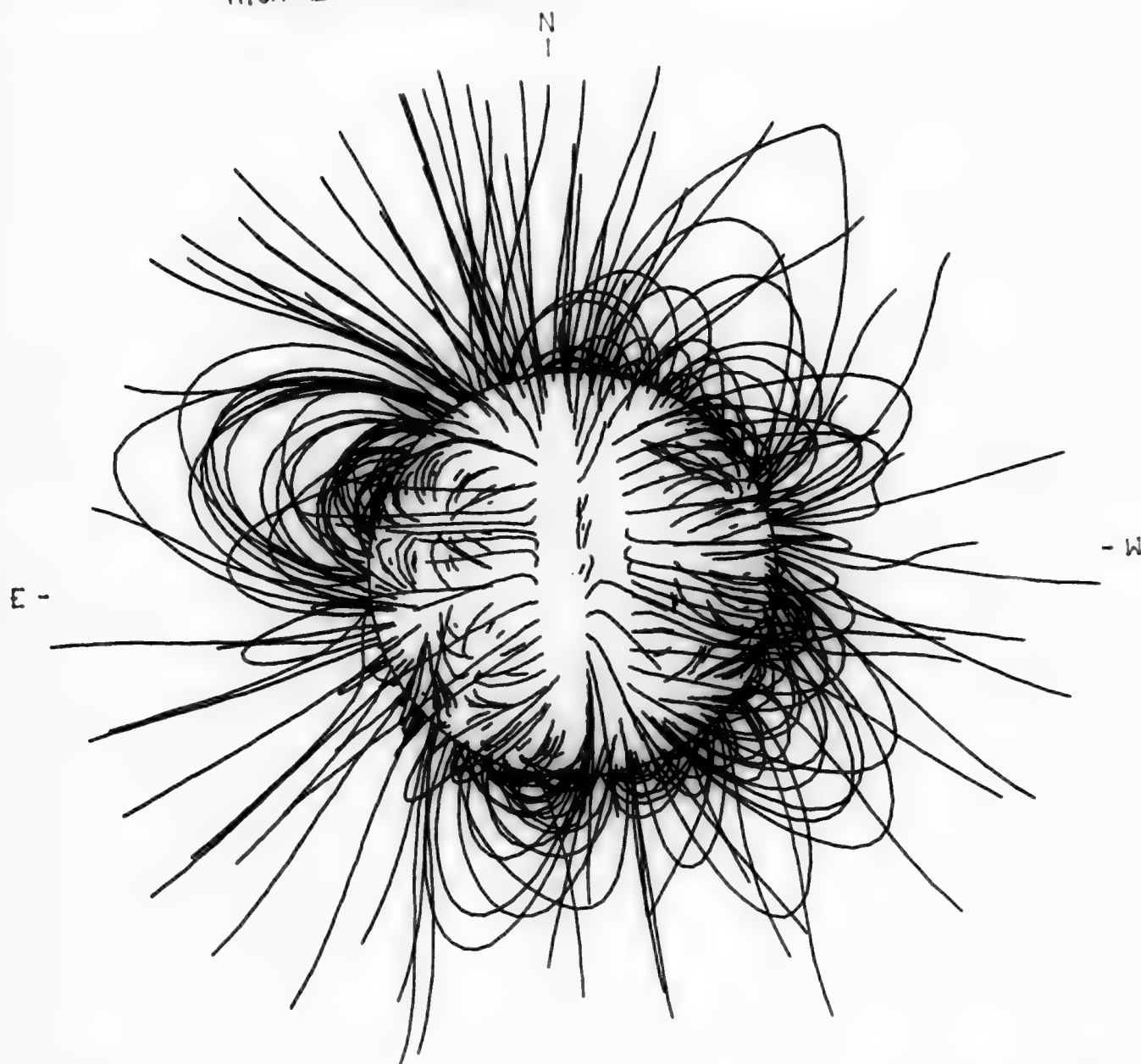


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 120°
11.6 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



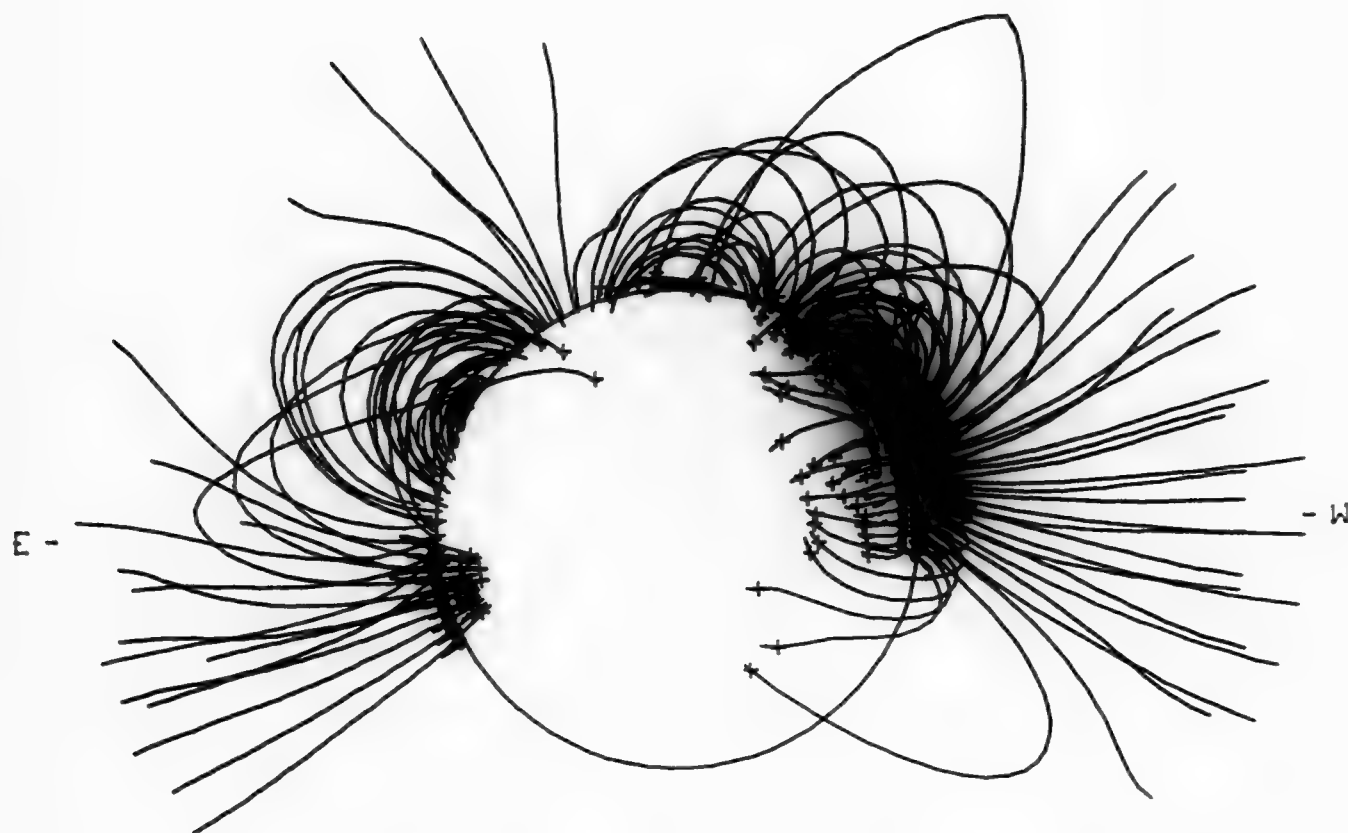
QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

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ROT. 1460 LONG. 110°
12.3 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY FAIR

POLES DIRECT

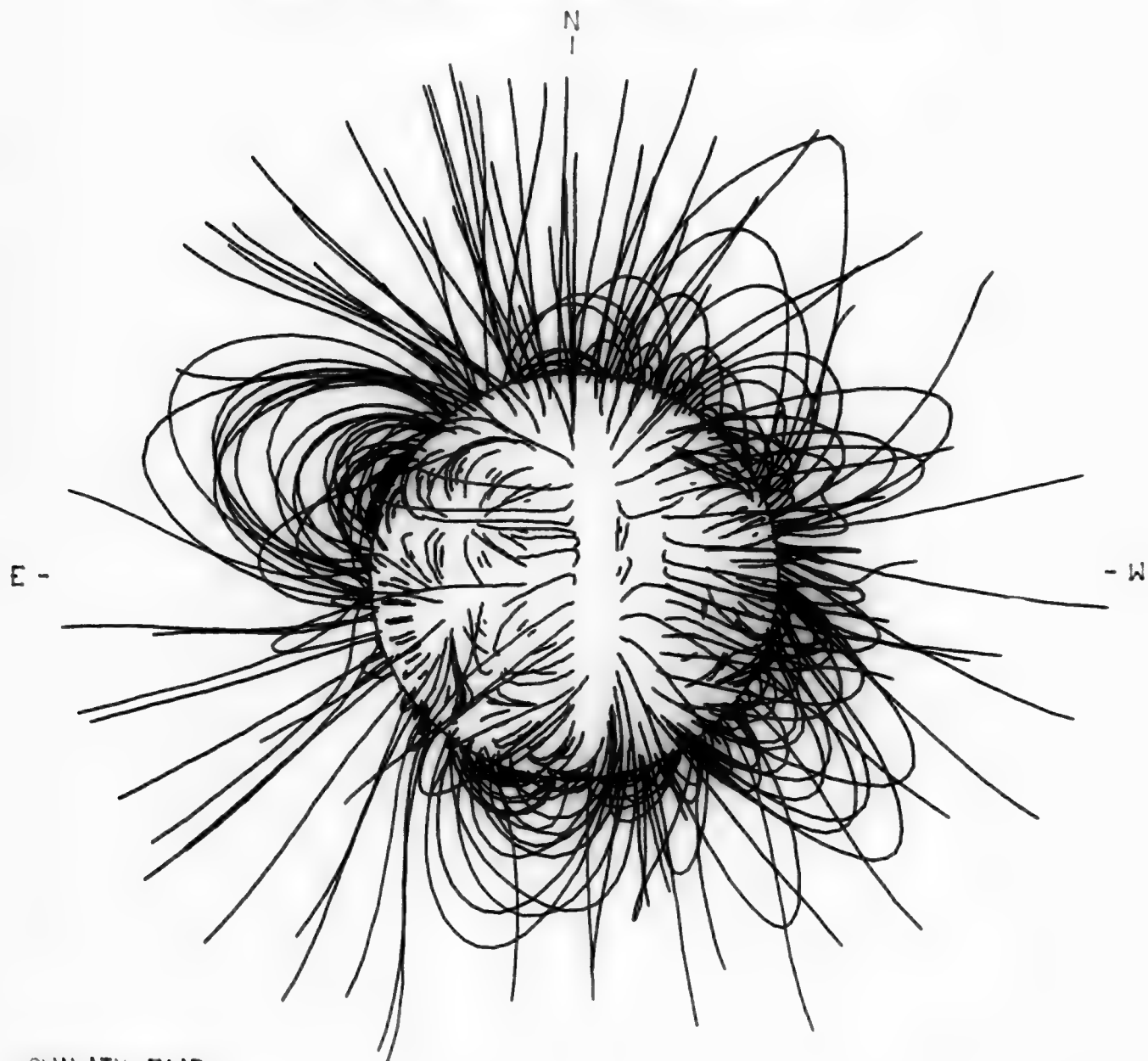
DATA WINDOW 1460.00

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ROT. 1460 LONG. 110°

12.3 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

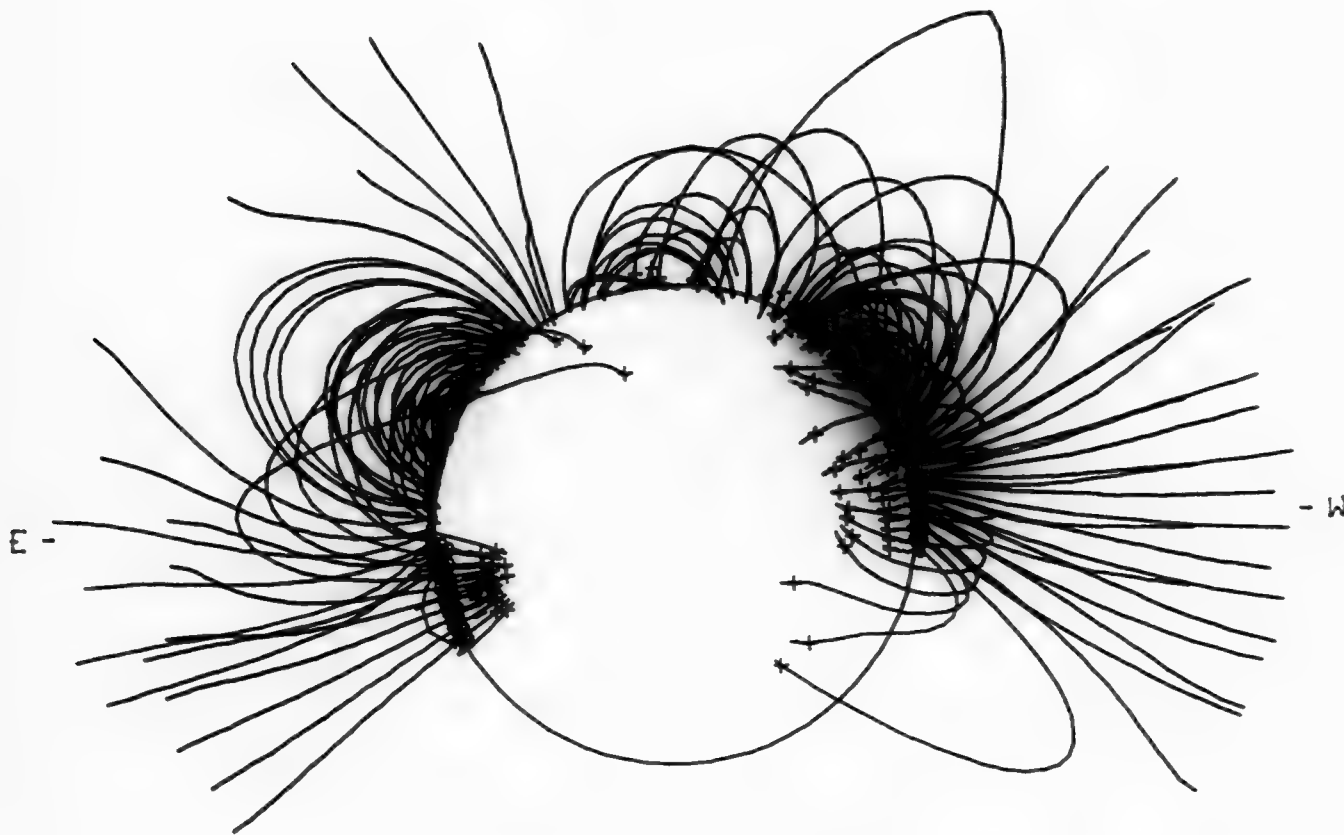
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ROT. 1460 LONG. 100°

13.1 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY FAIR

POLES DIRECT

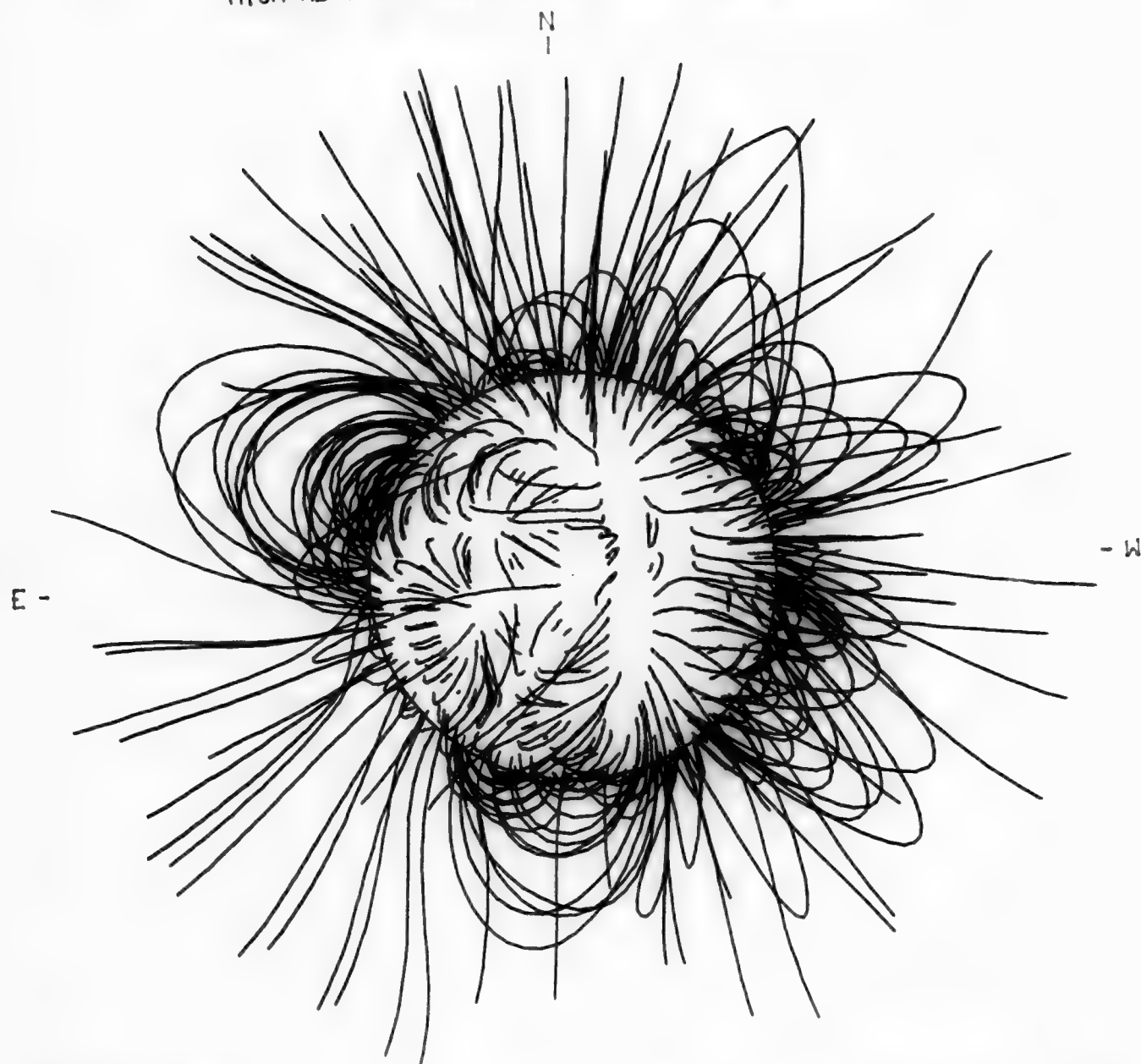
DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 100°

13.1 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

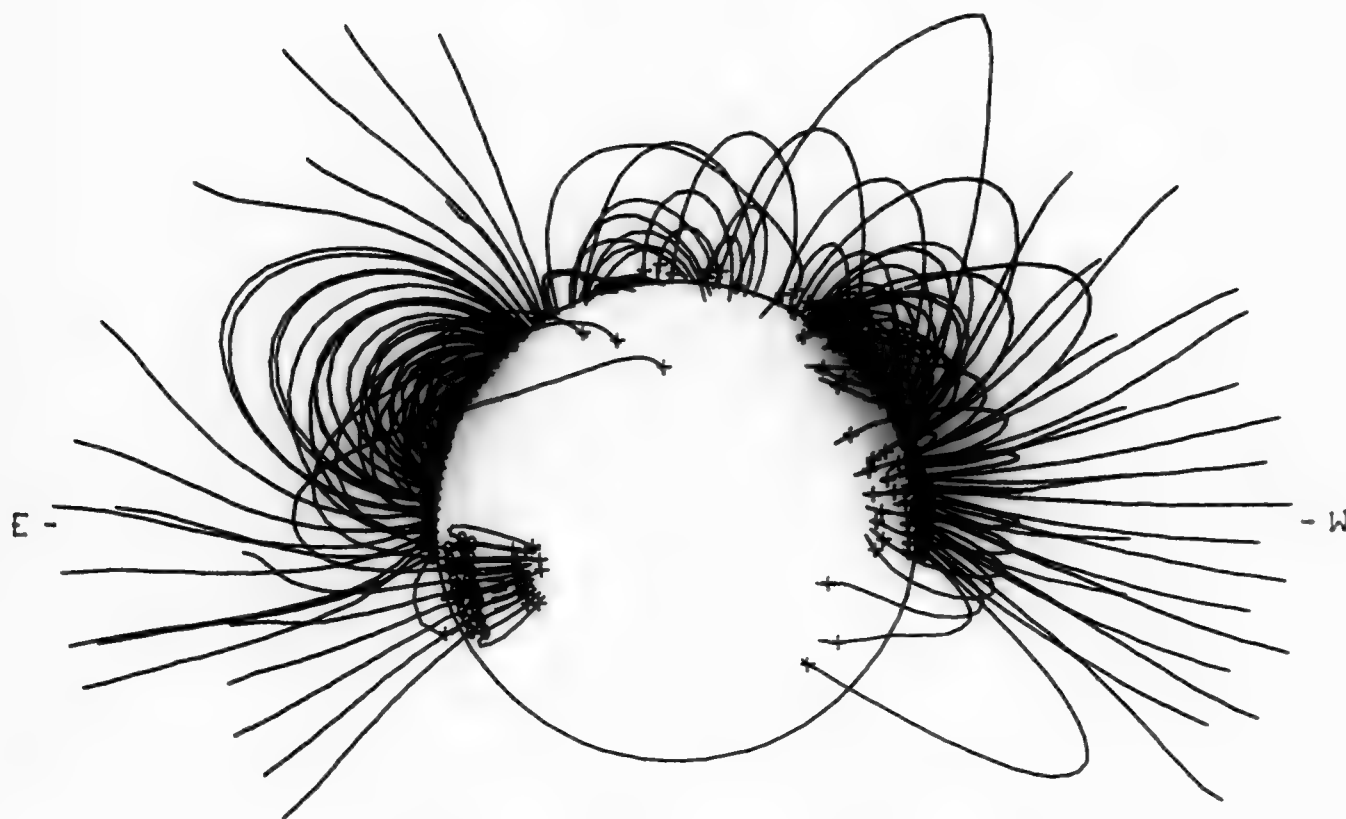


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 90°
13.9 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

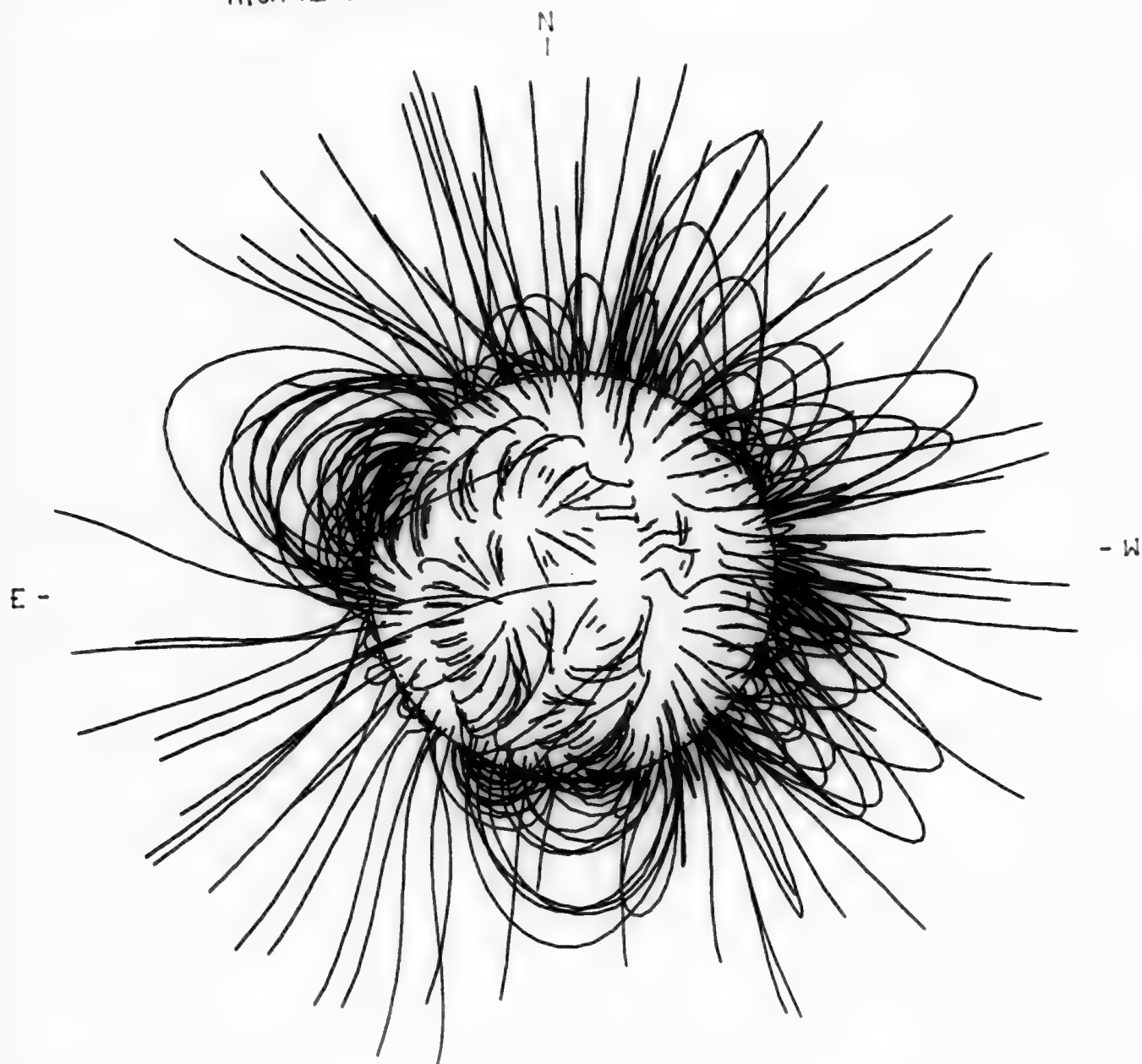
DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 90°

13.9 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



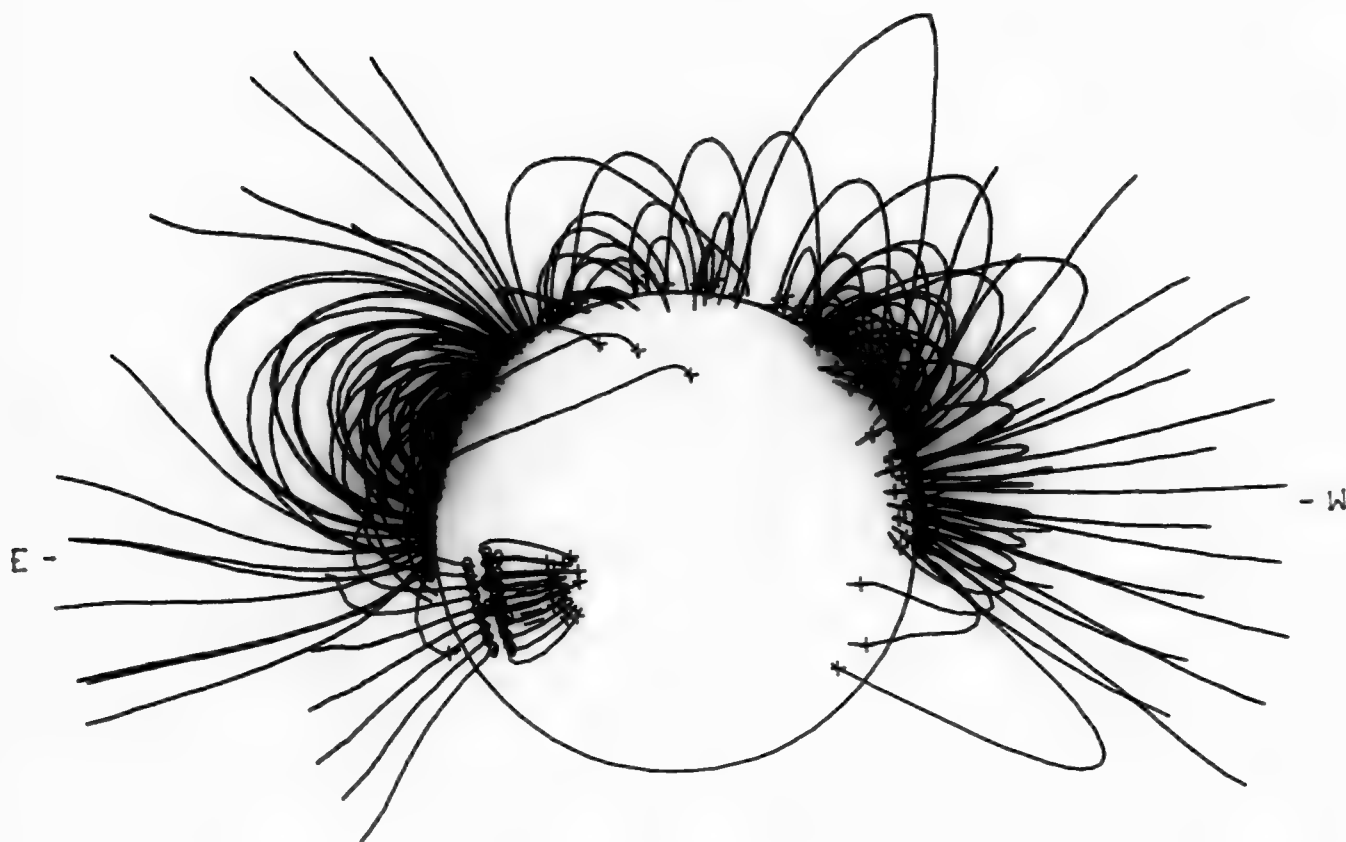
QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

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ROT. 1460 LONG. 80°
14.6 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY FAIR

POLES DIRECT

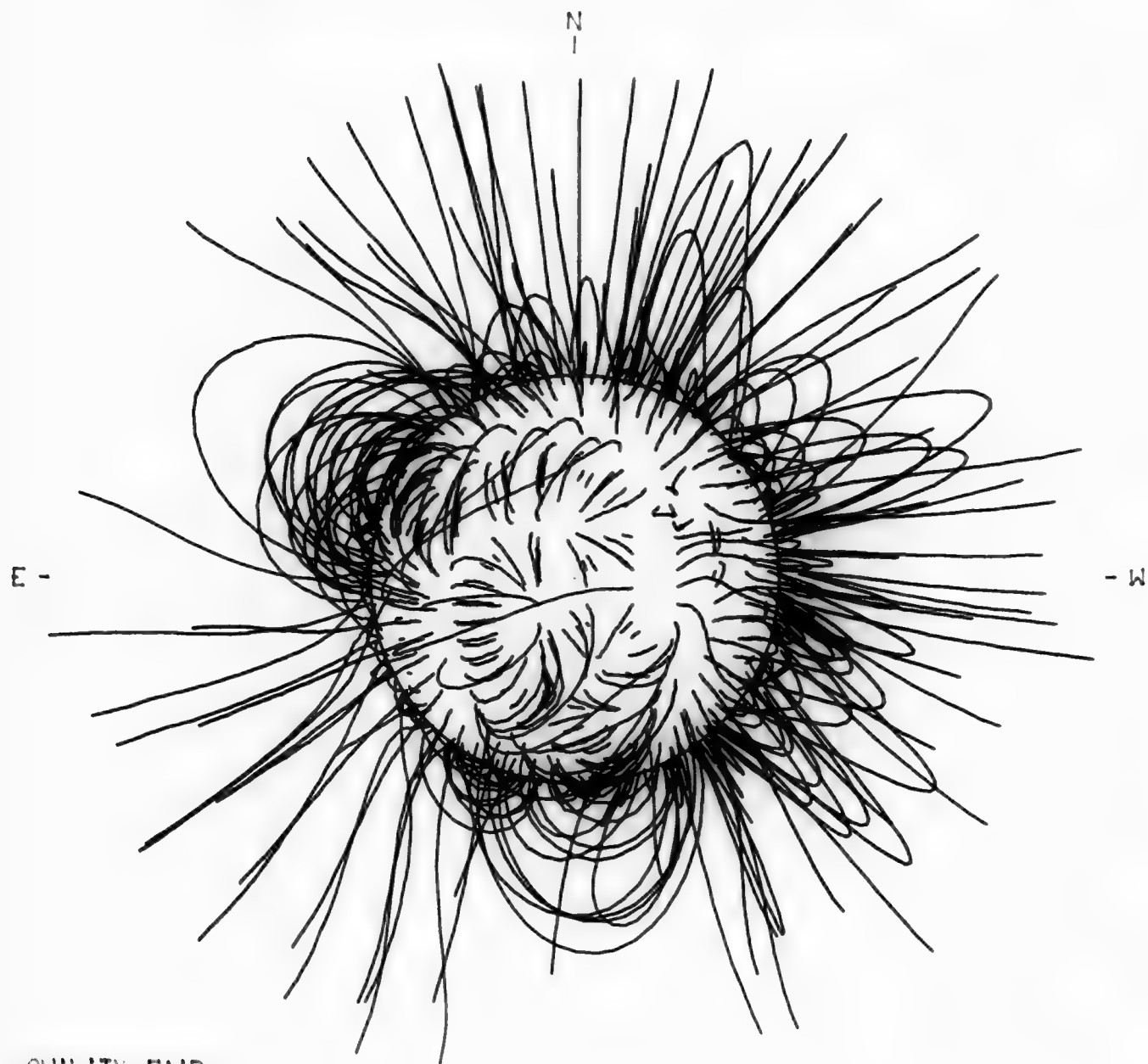
DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 80°

14.6 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

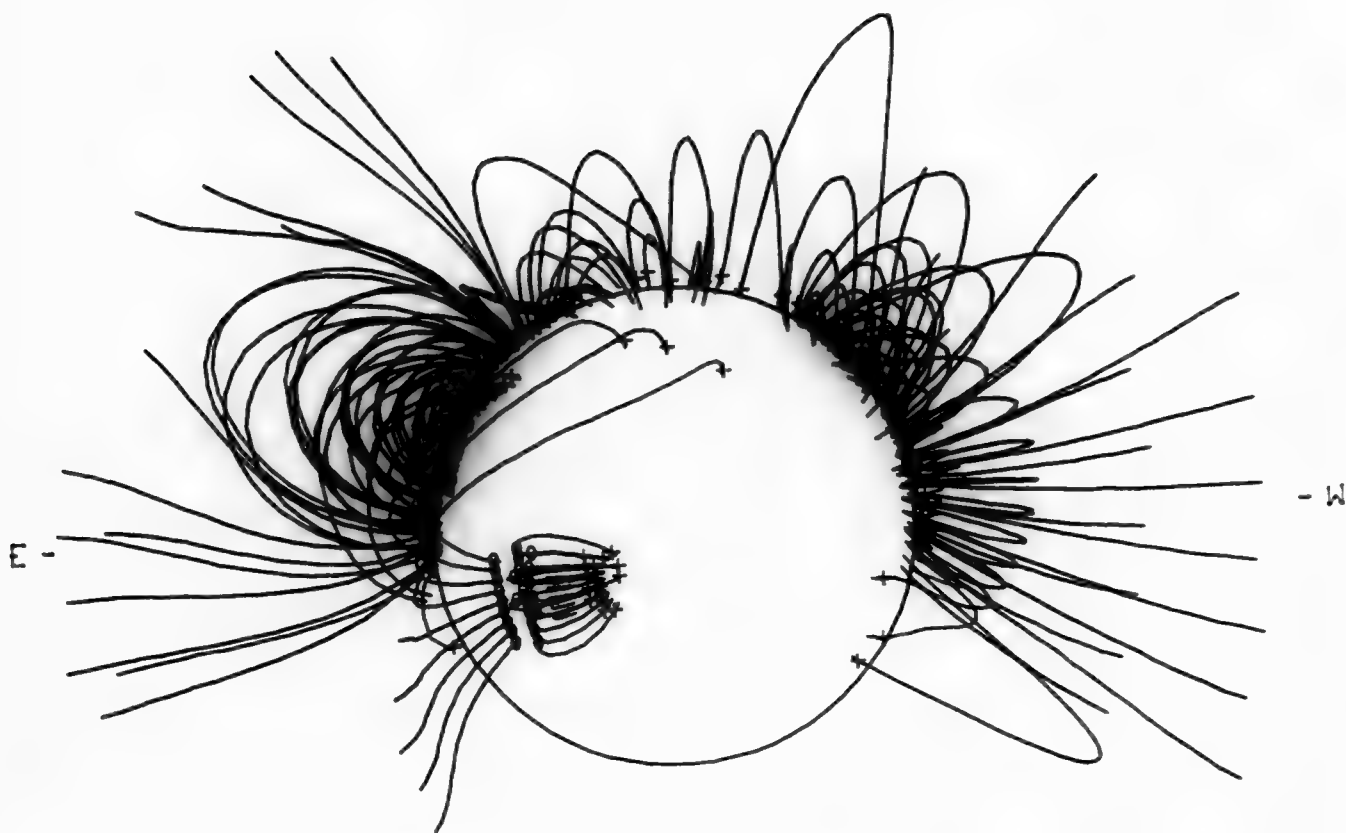
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ROT. 1460 LONG. 70°

15.4 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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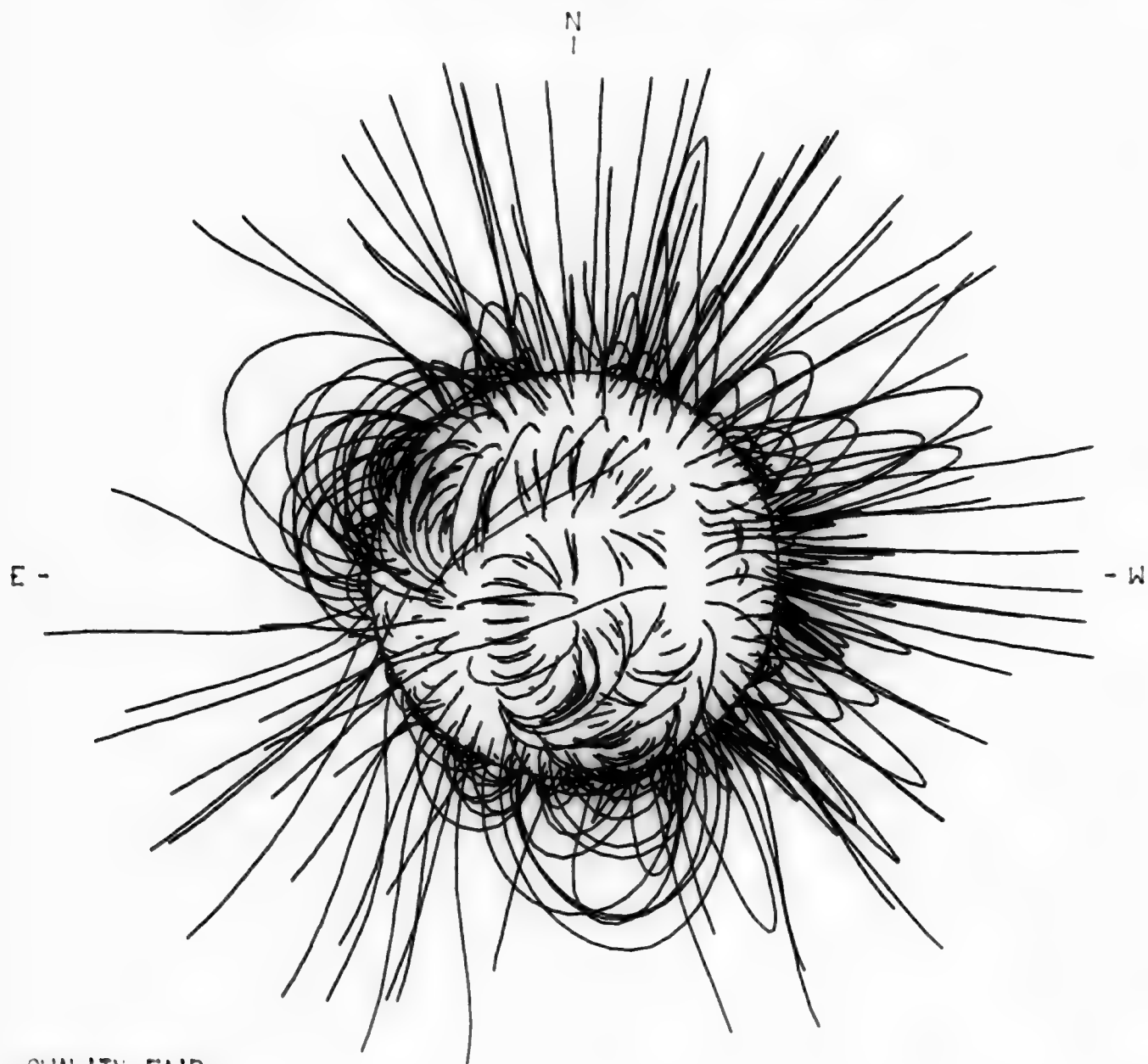


QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

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ROT. 1460 LONG. 70°
15.4 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

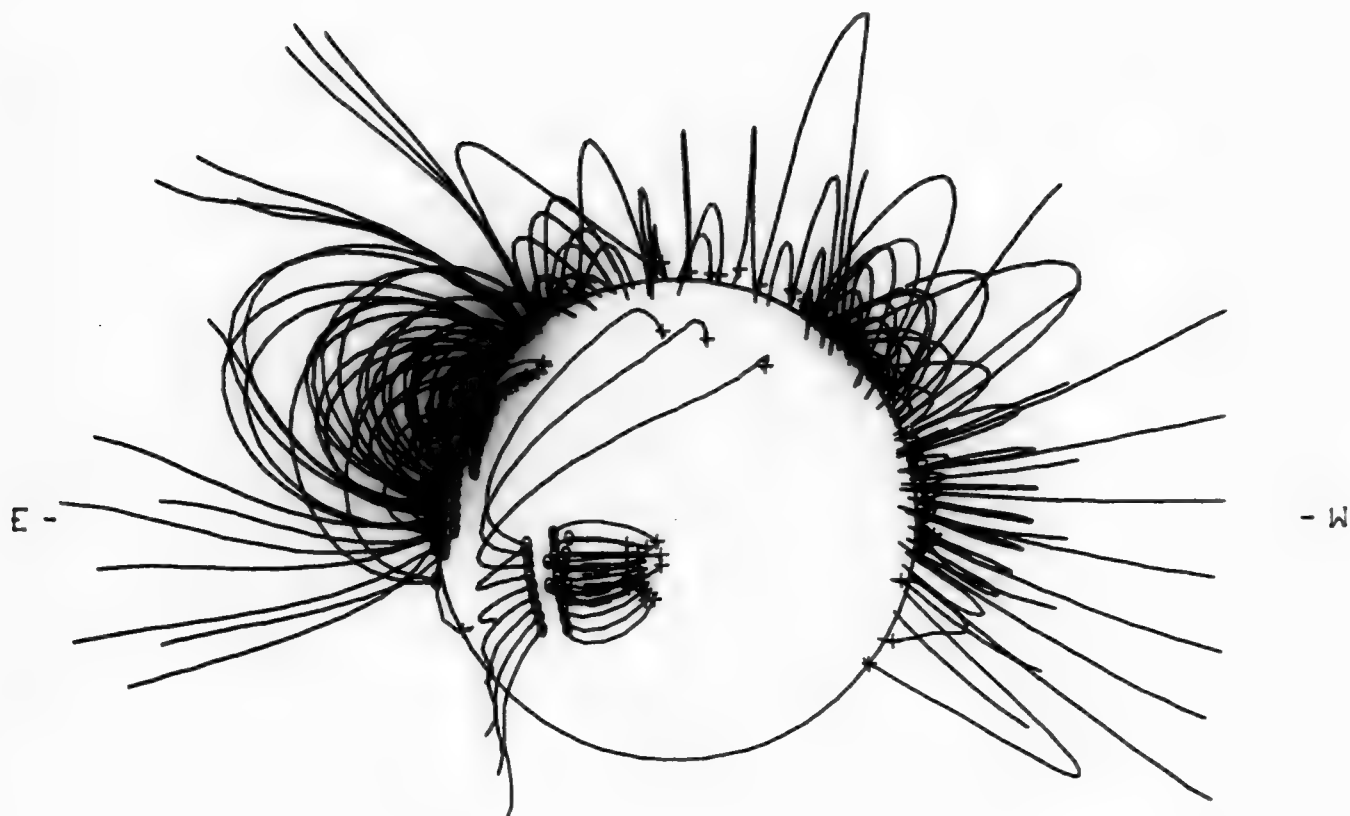
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ROT. 1460 LONG. 60°

16.1 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY FAIR

POLES DIRECT

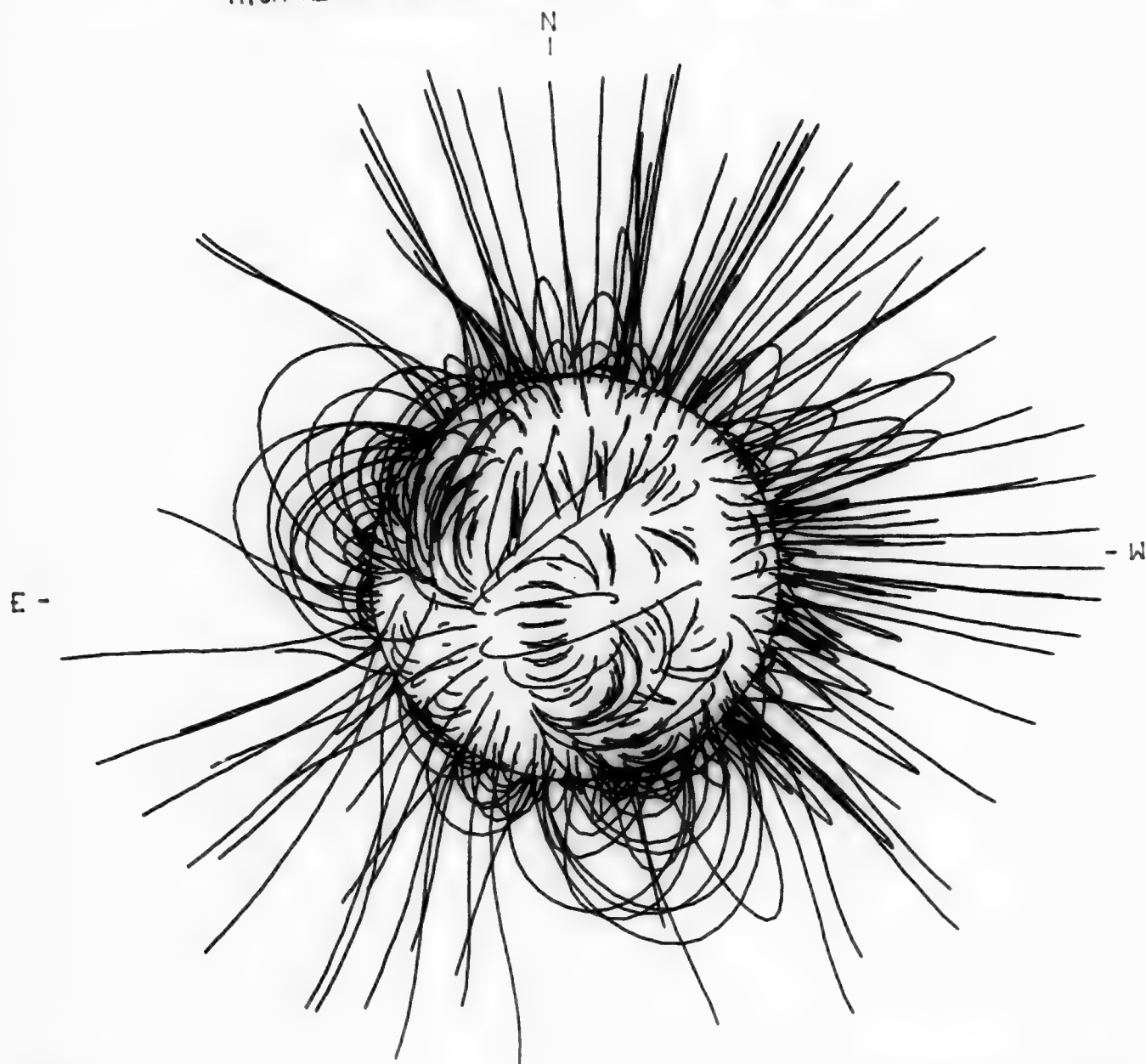
DATA WINDOW 1460.00

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ROT. 1460 LONG. 60°

16.1 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLE'S DIRECT
DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 50°
16.9 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY FAIR

POLES DIRECT

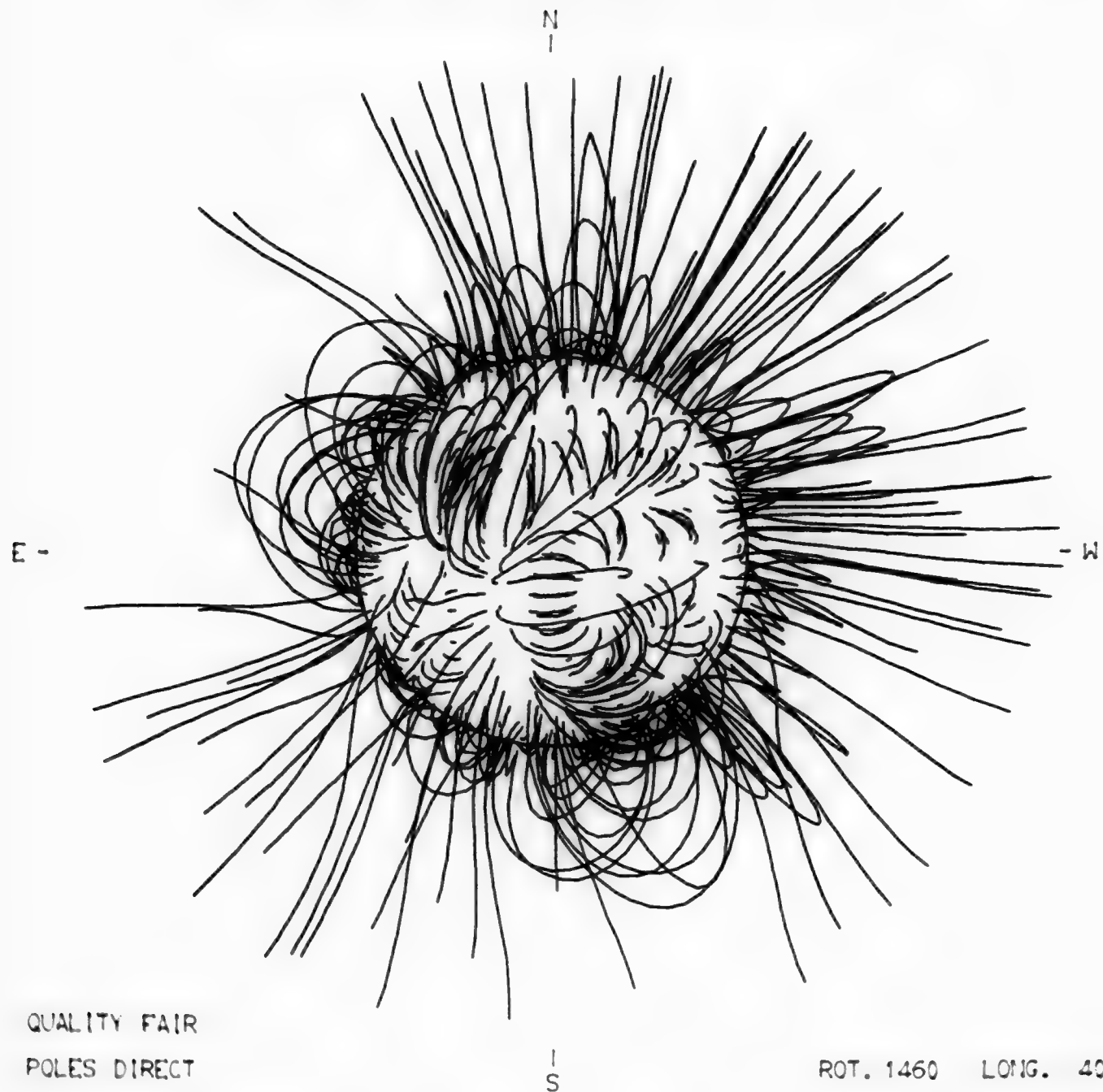
DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 50°

16.9 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

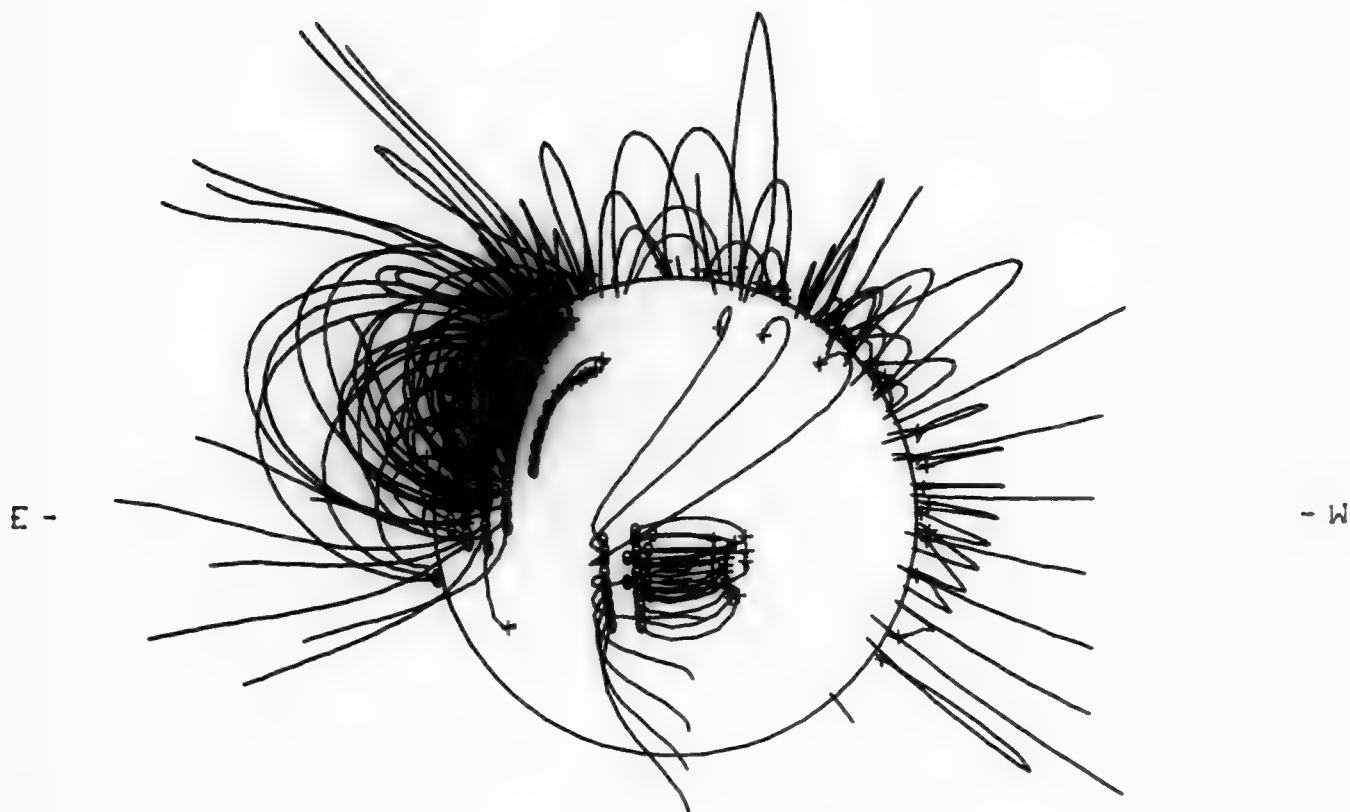
POLES DIRECT

DATA WINDOW 1460.00

ROT. 1460 LONG. 40°
17.6 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY FAIR

POLES DIRECT

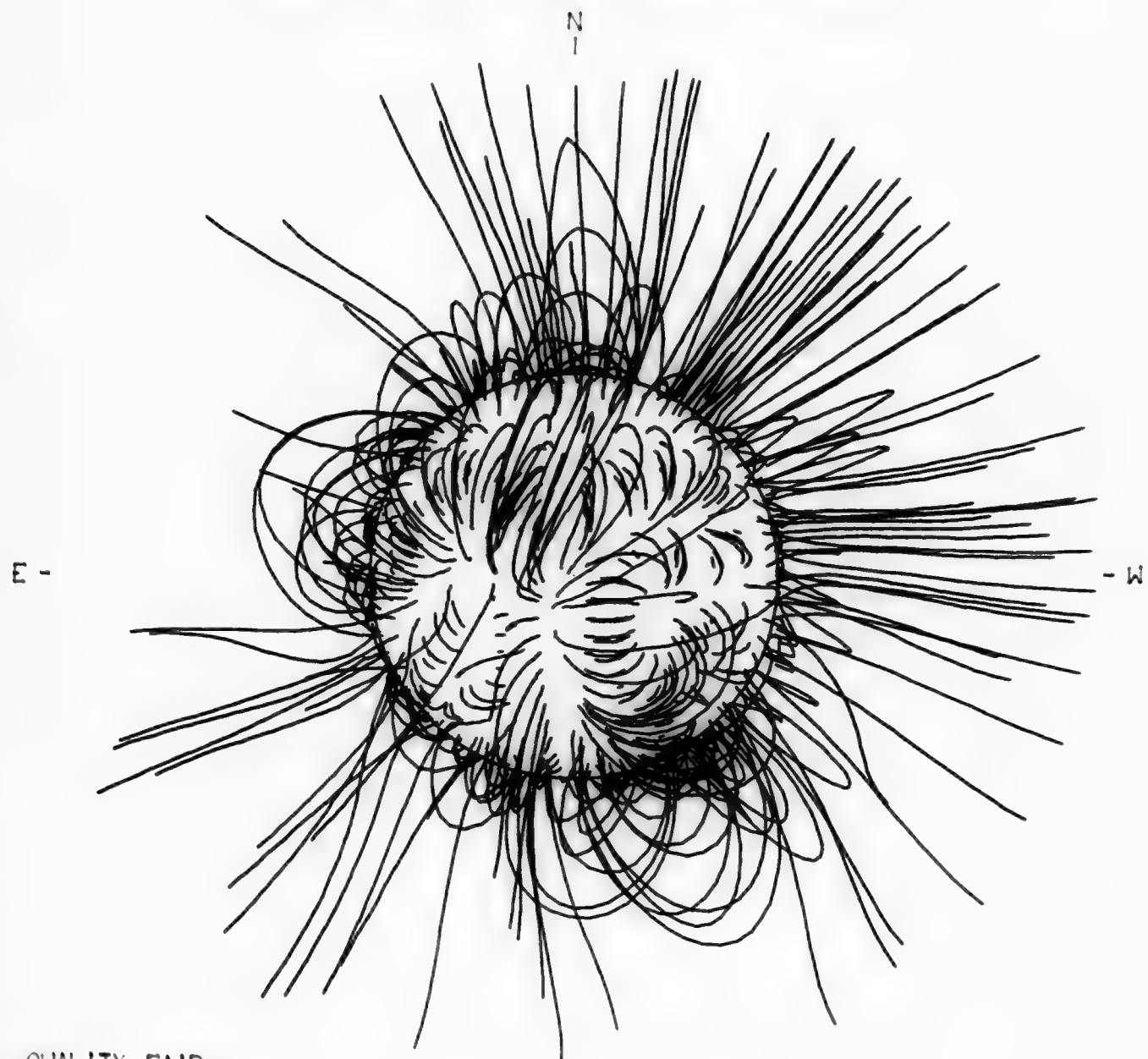
DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 40°

17.6 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

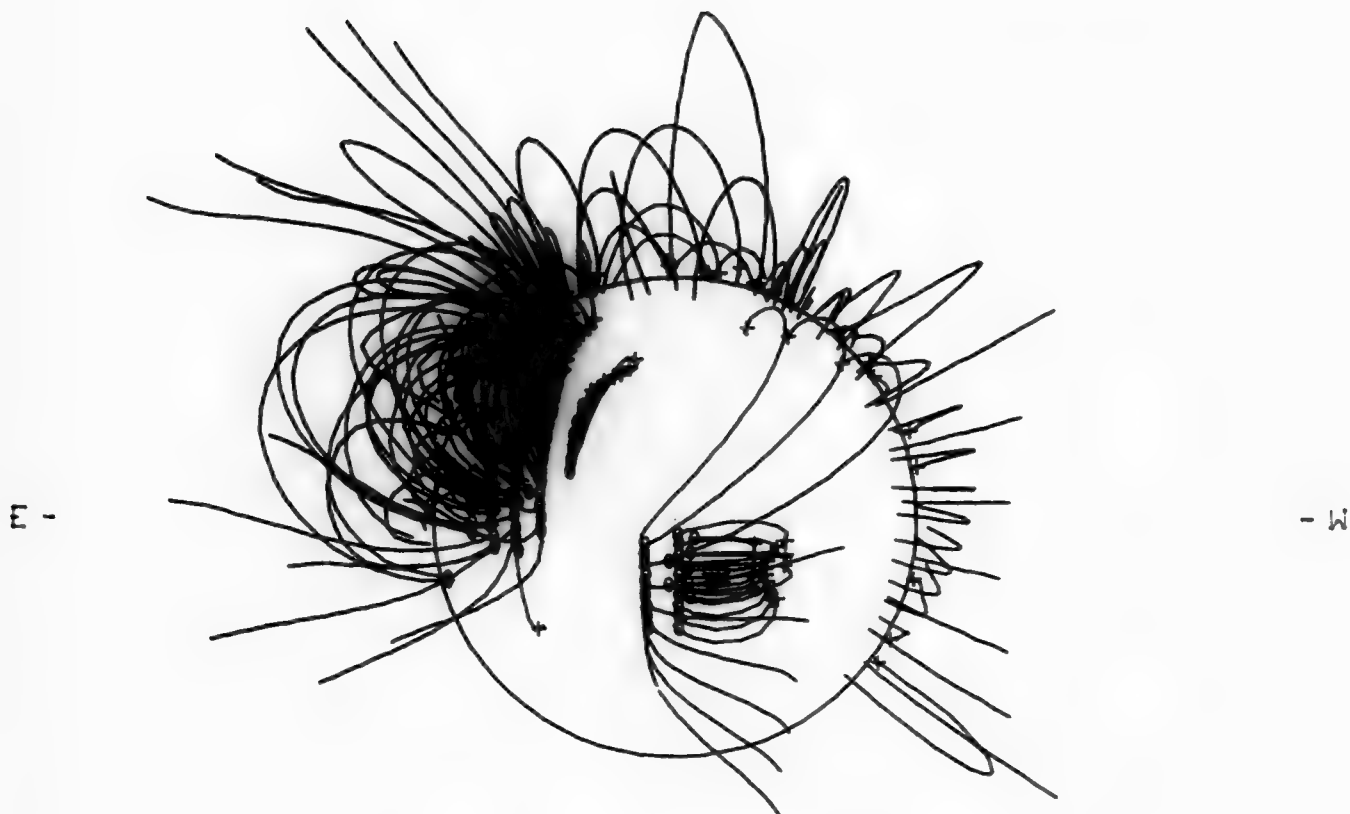
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ROT. 1460 LONG. 30°

18.4 NOV 962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY FAIR

POLES DIRECT

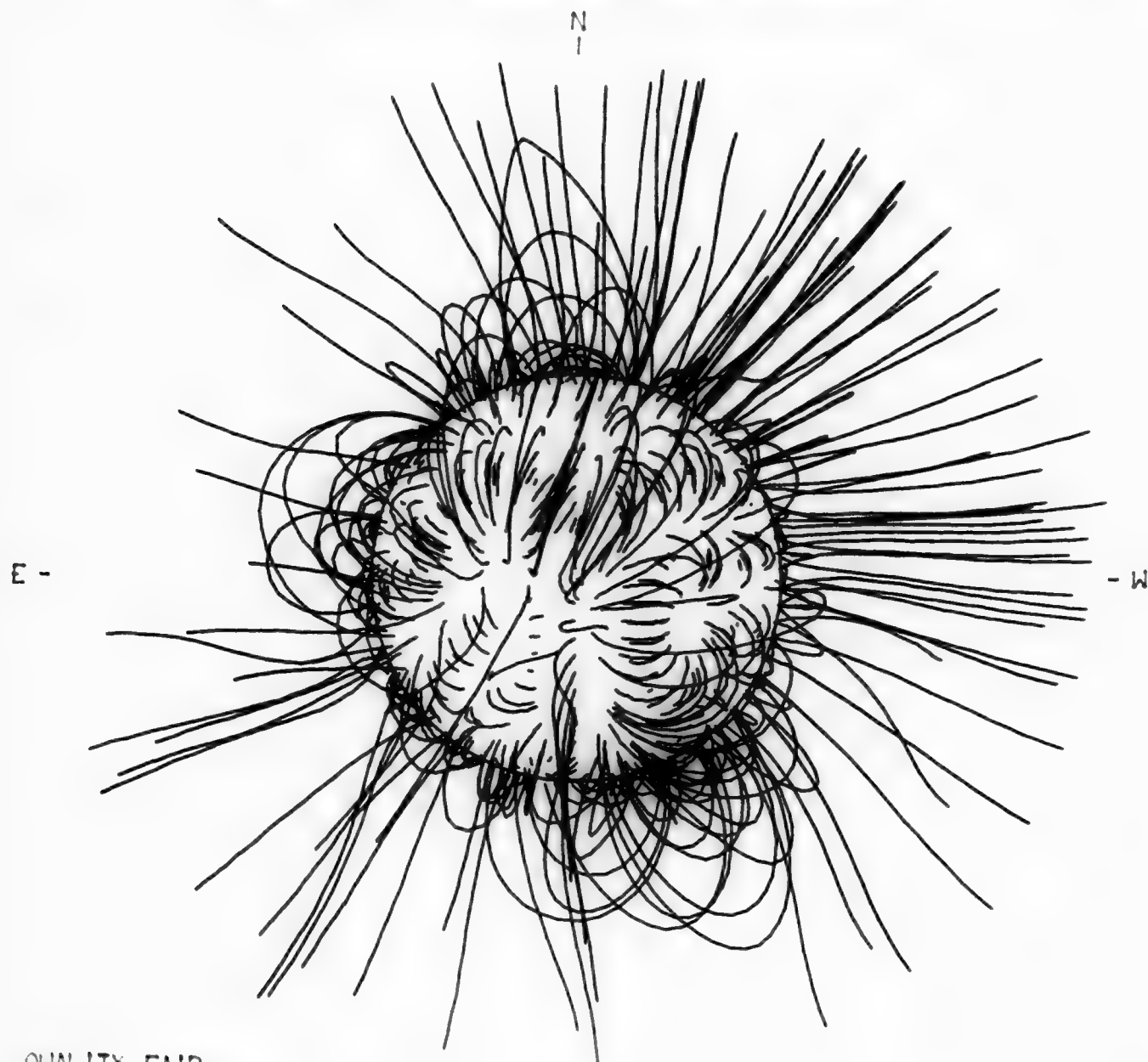
DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 30°

18.4 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 20°

19.2 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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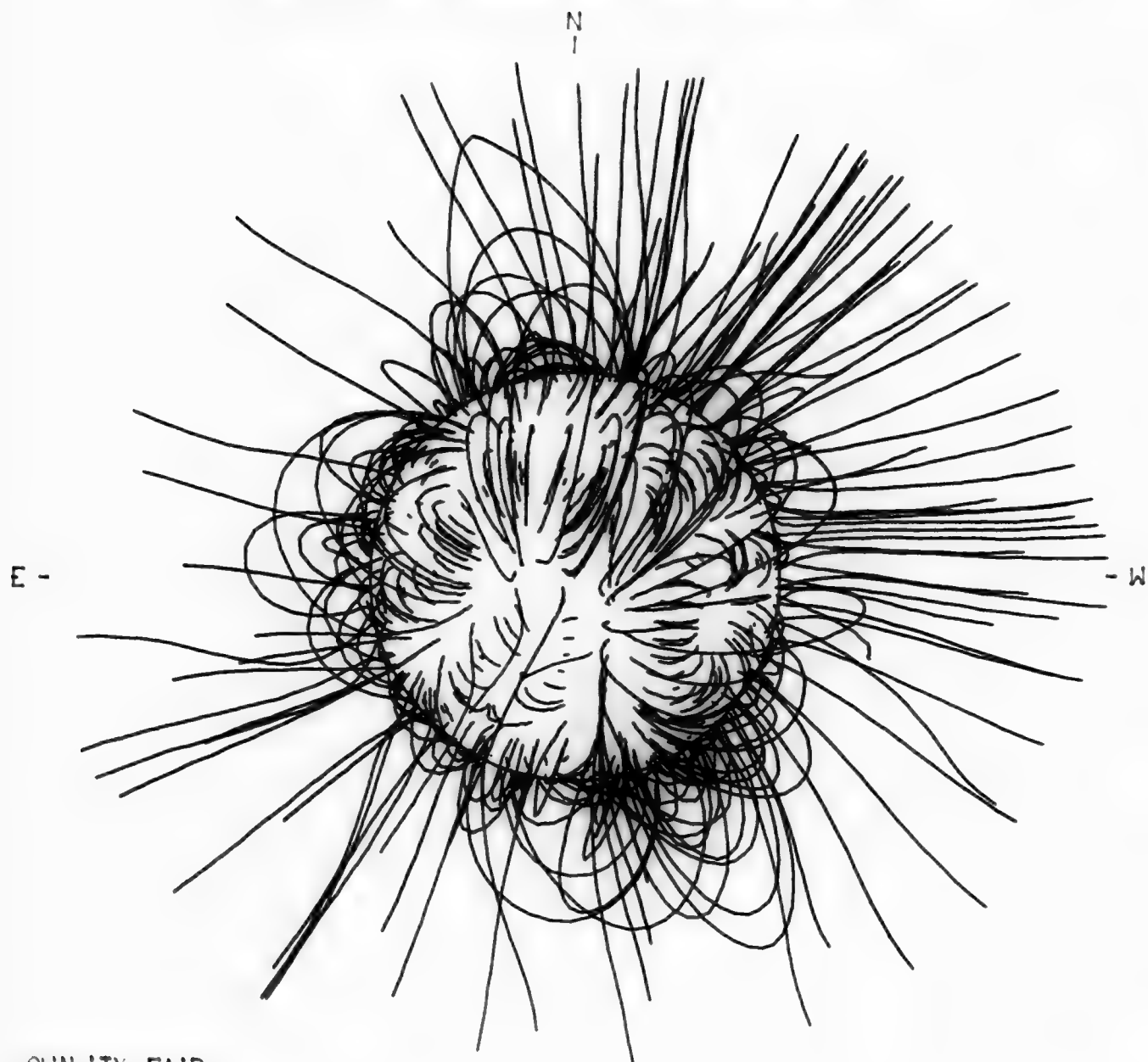
- W

QUALITY FAIR
POLES DIRECT
DATA WINDOW 1460.00

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ROT. 1460 LONG. 20°
19.2 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 10°

19.9 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY FAIR

POLES DIRECT

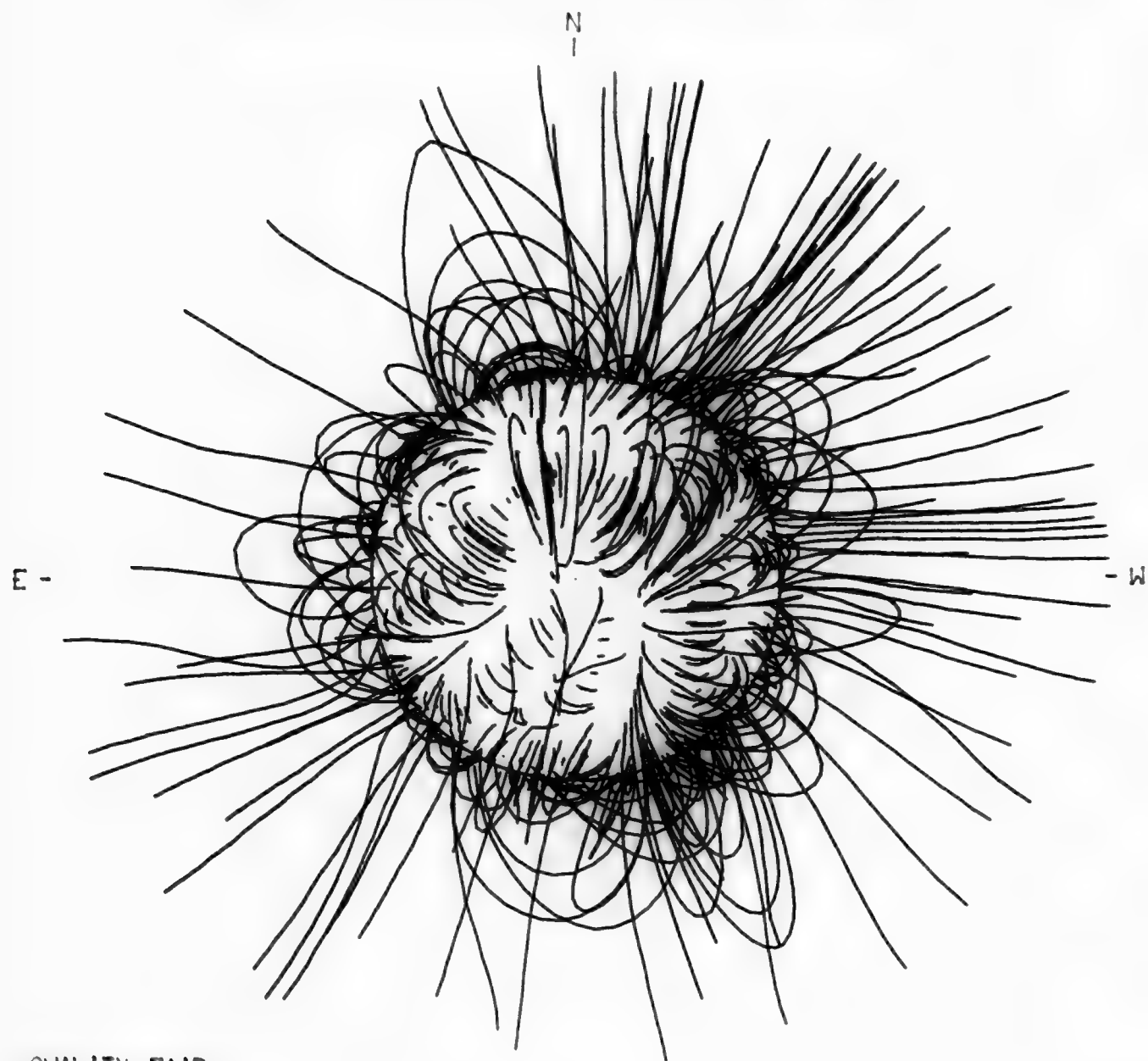
DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 10°

19.9 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

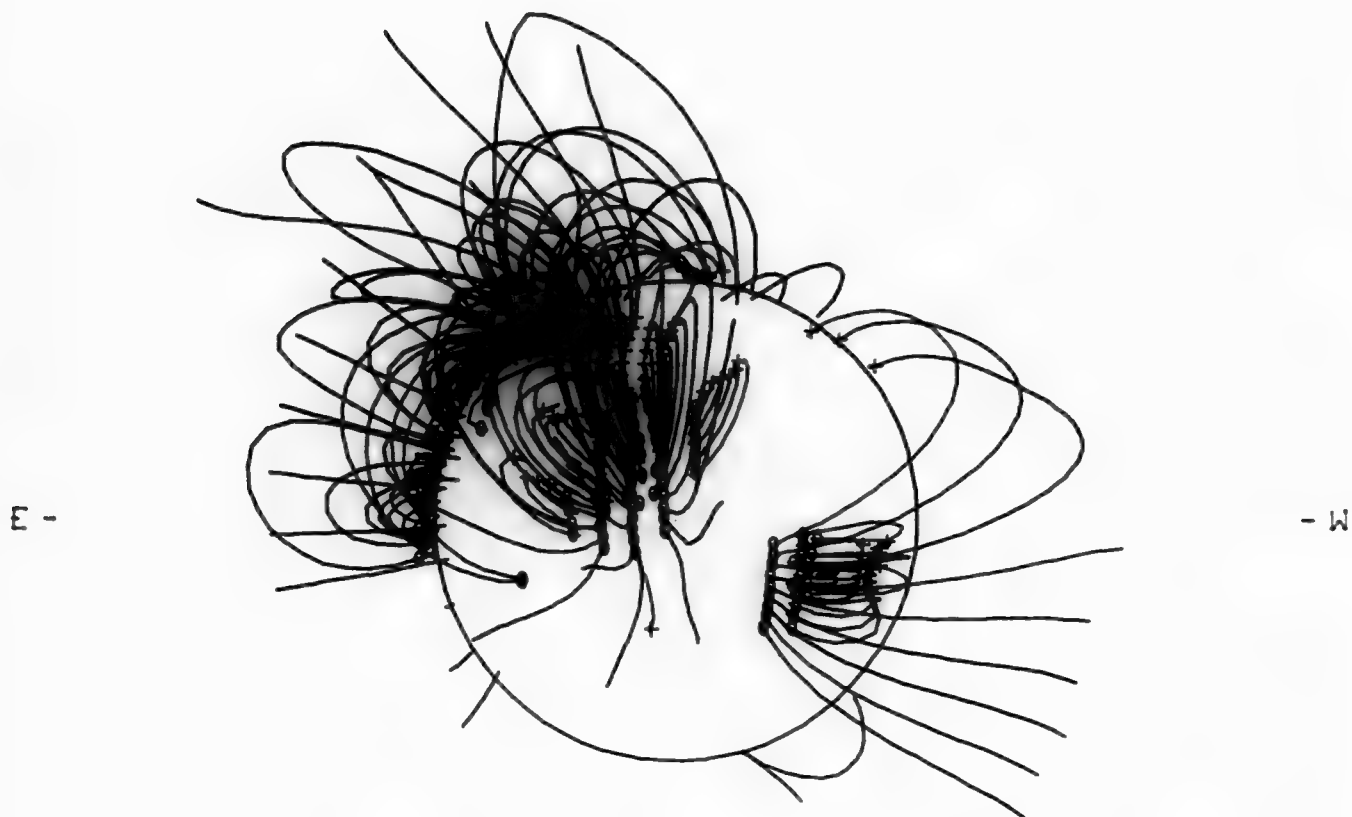
I
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ROT. 1460 LONG. 0°

20.7 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY FAIR

POLES DIRECT

DATA WINDOW 1460.00

I
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ROT. 1460 LONG. 0°

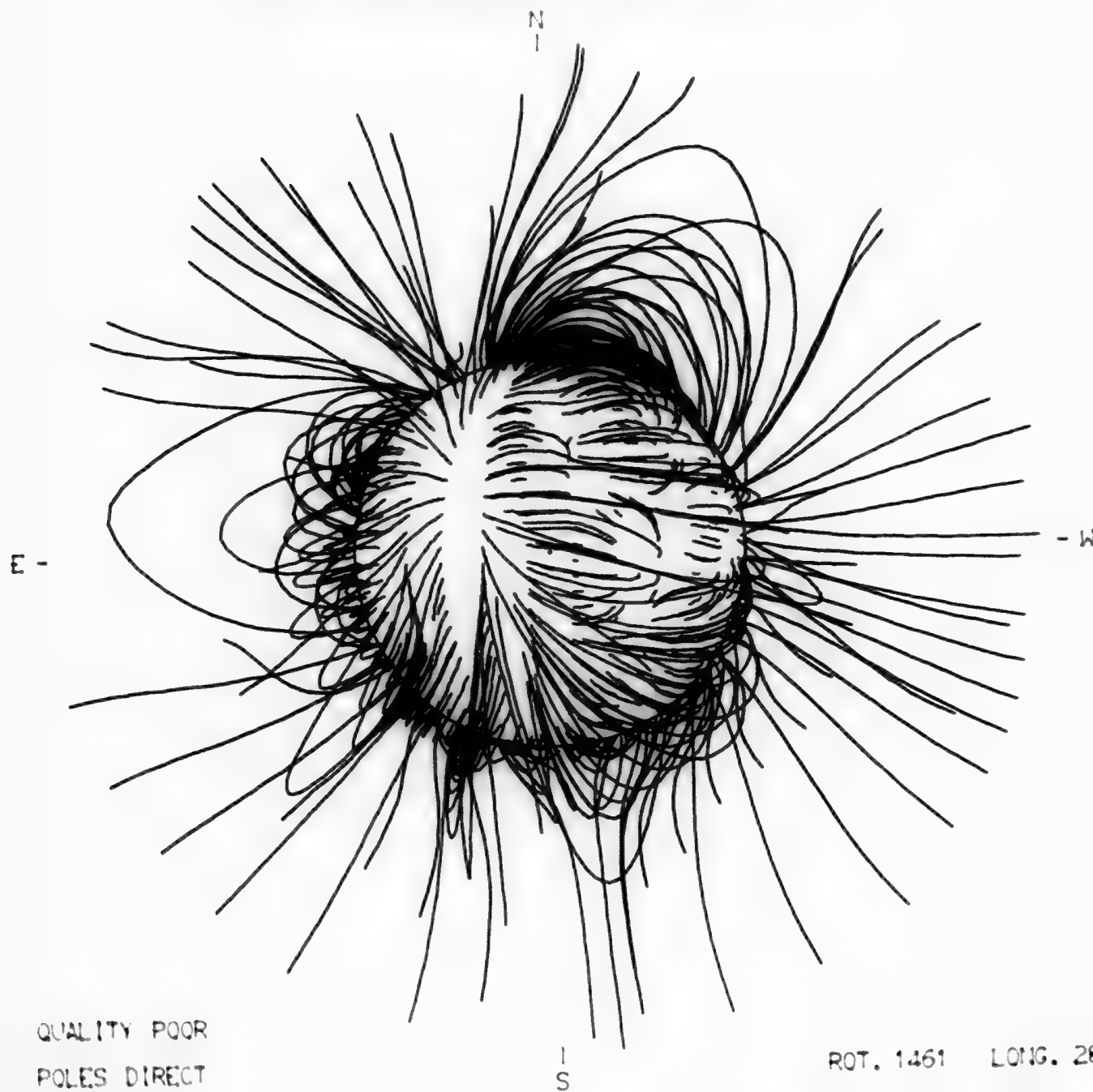
20.7 NOV 1962

NO OBSERVATIONS

ROT. 1461 LONG. 350--ROT. 1461 LONG. 290
20.7 NOV 1962--26.1 NOV 1962



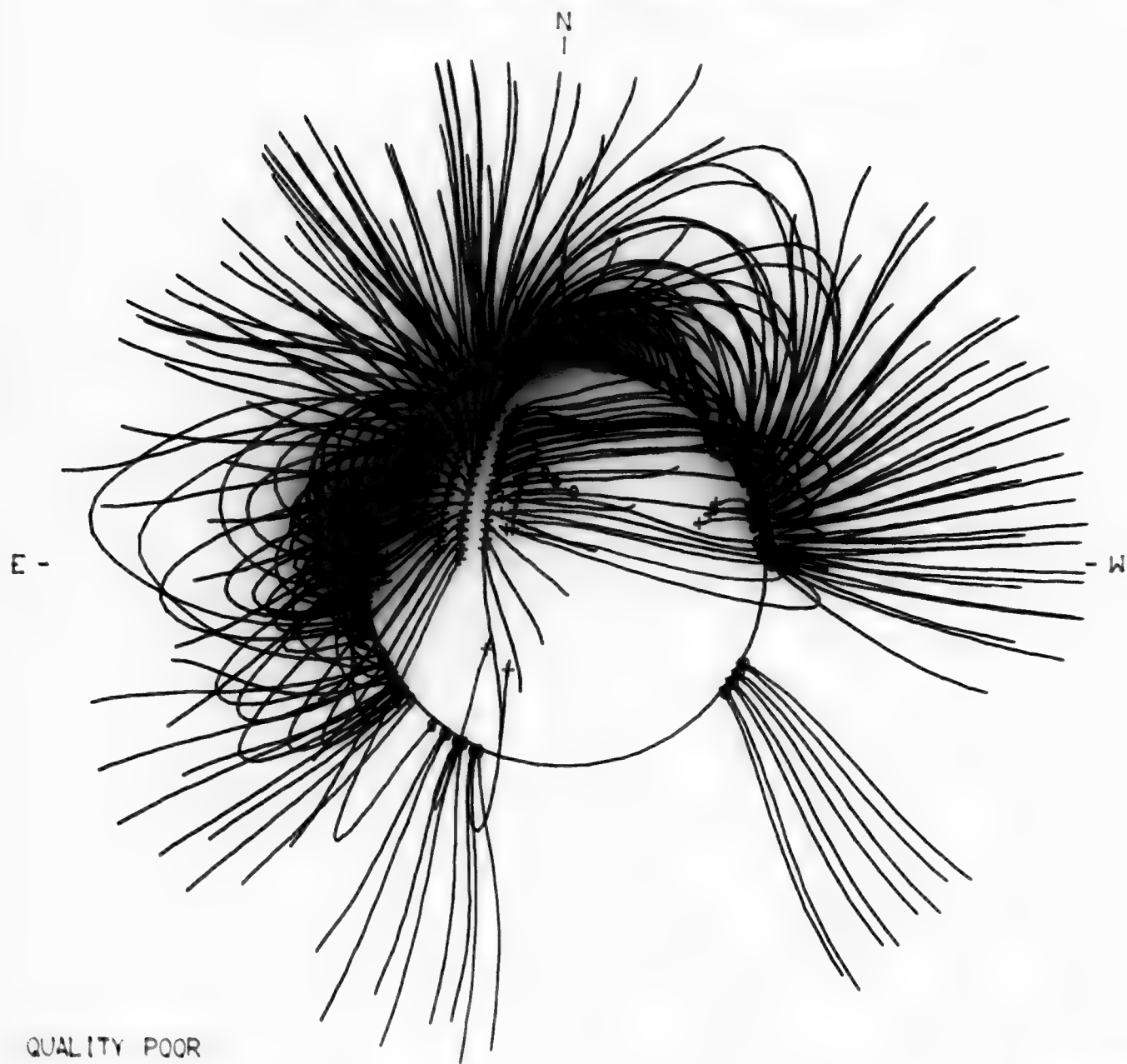
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 280°
26.8 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

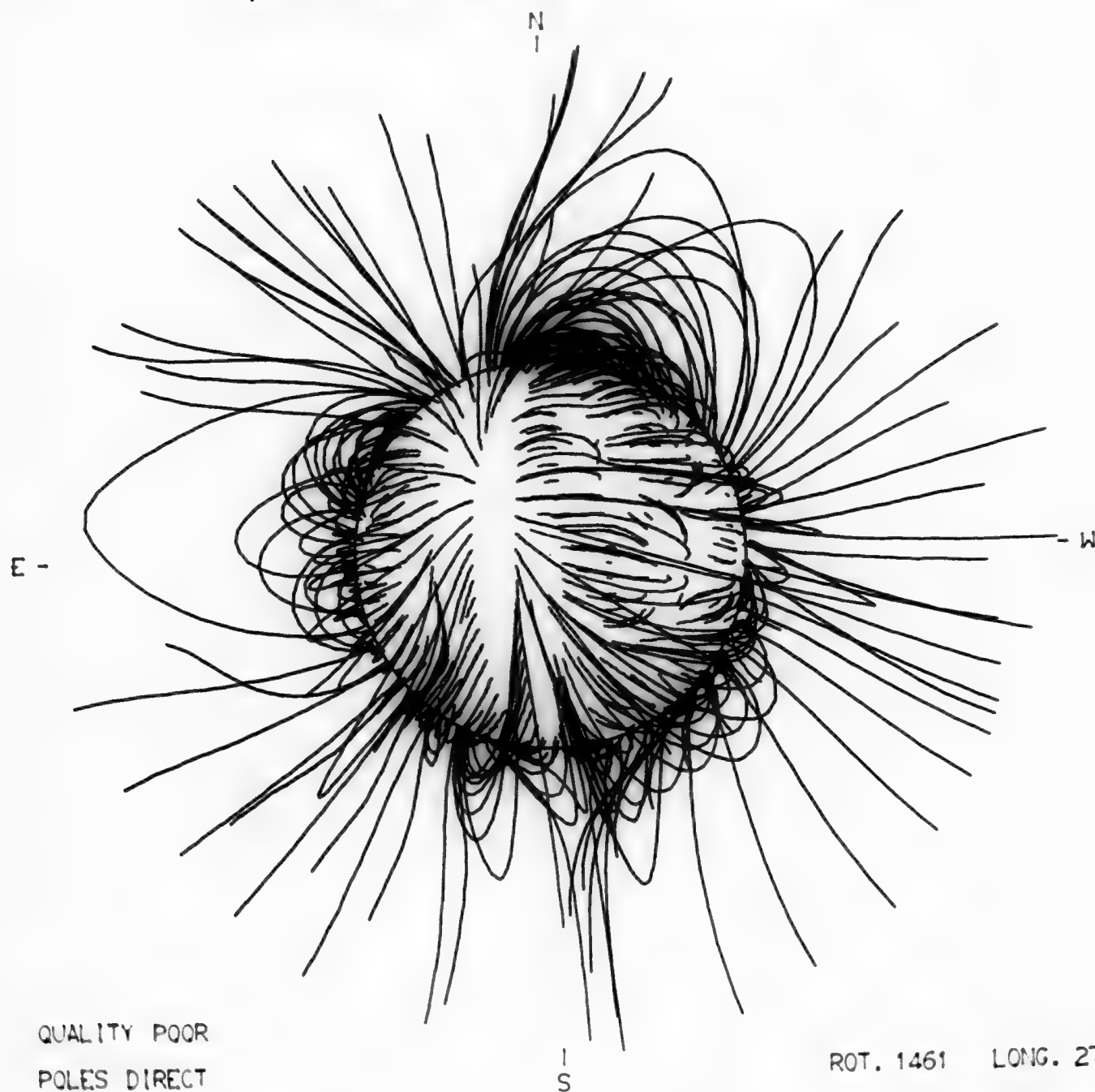
DATA WINDOW 1461.19

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ROT. 1461 LONG. 280°

26.8 NOV 1962

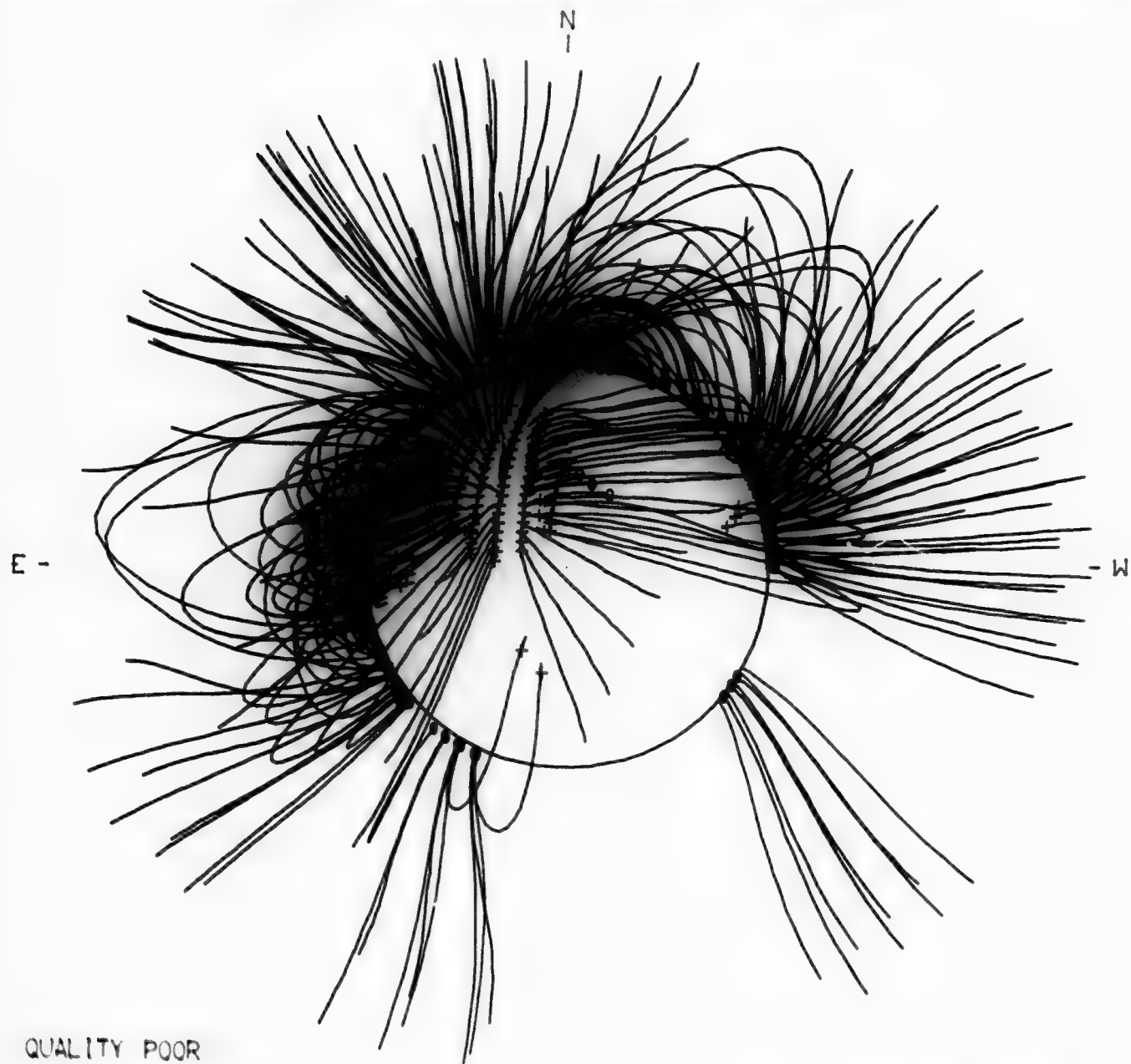
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 270°
27.6 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

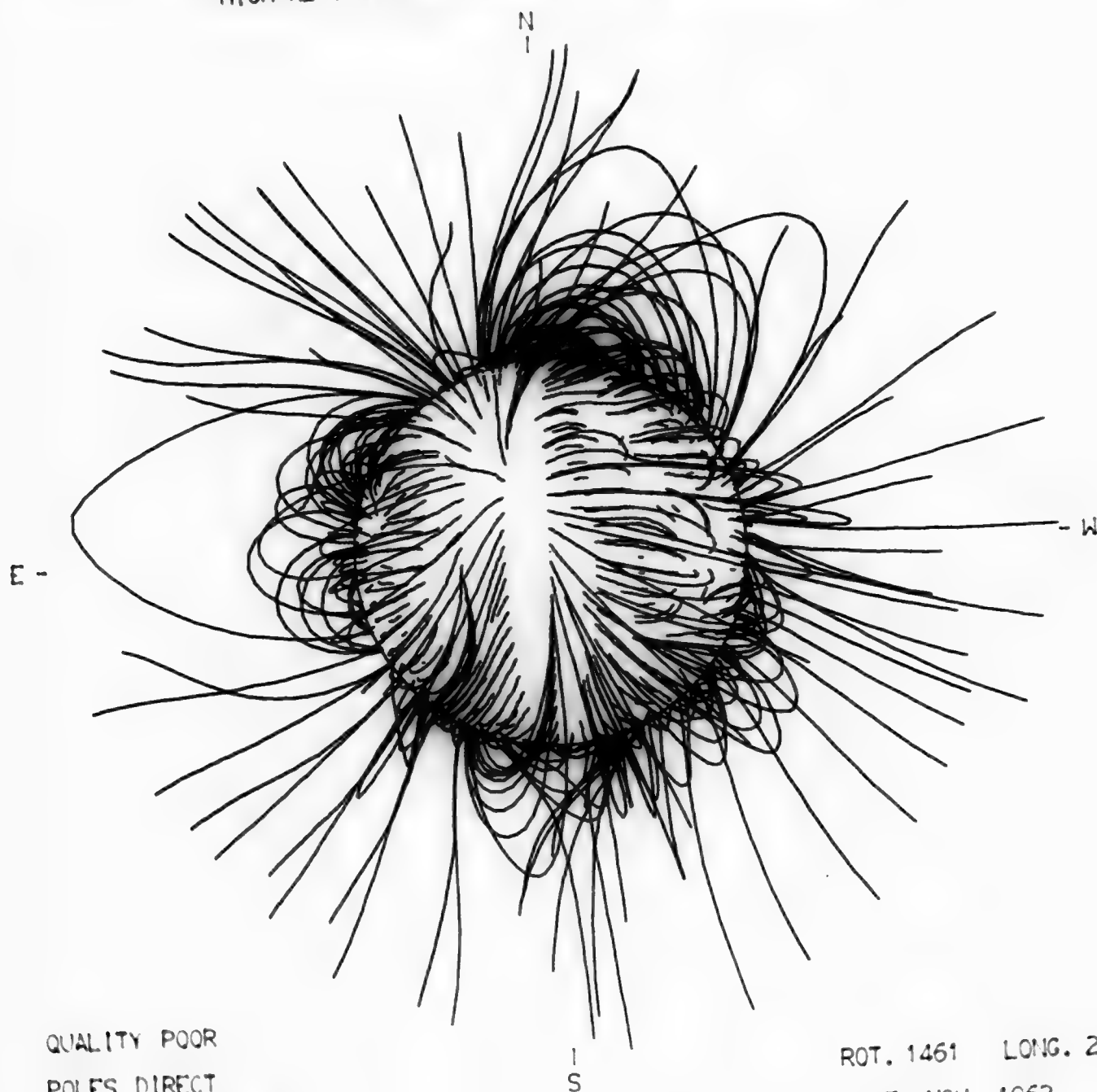
DATA WINDOW 1461.19

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ROT. 1461 LONG. 270°

27.6 NOV 1962

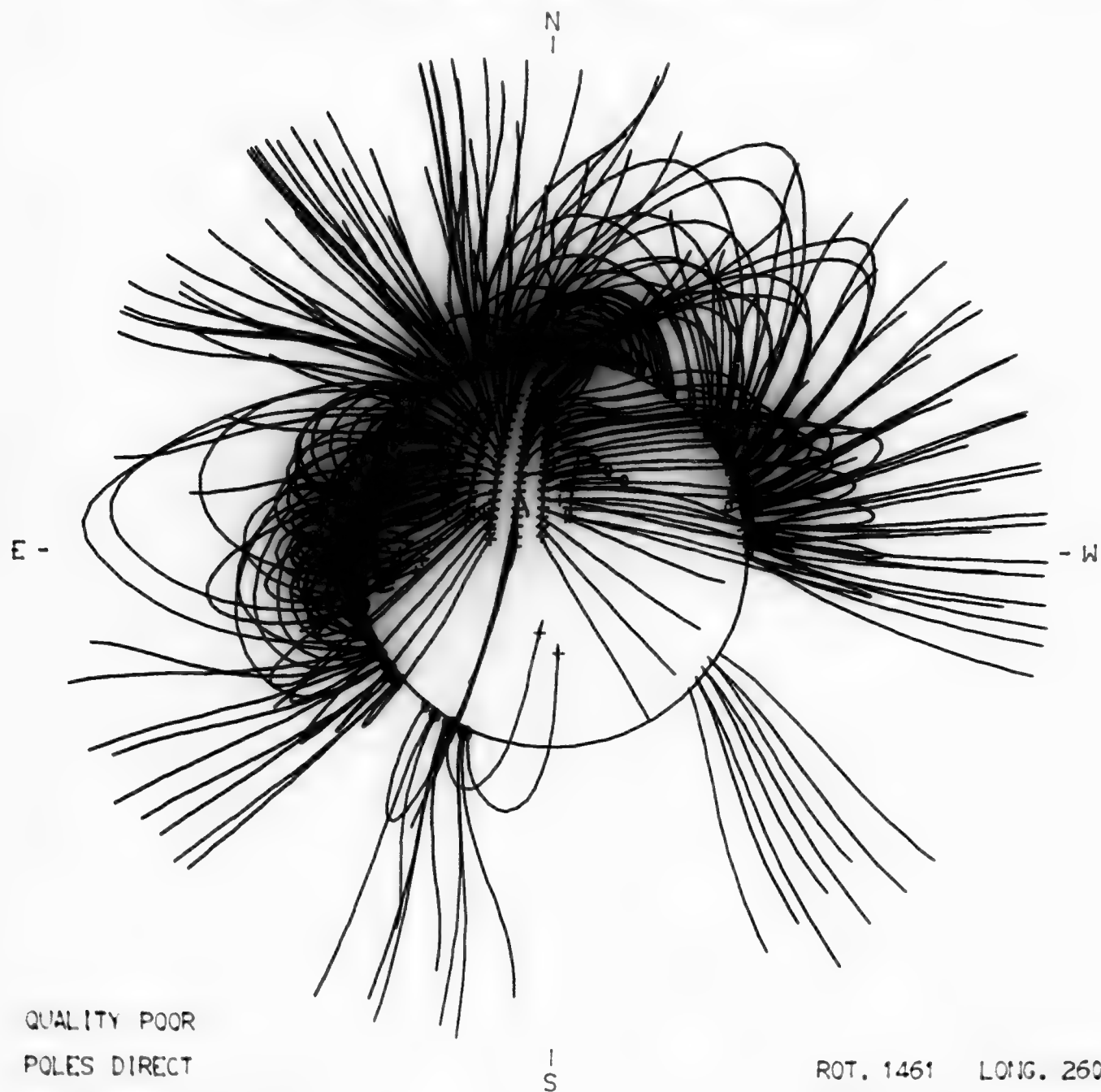
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 260°
28.3 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



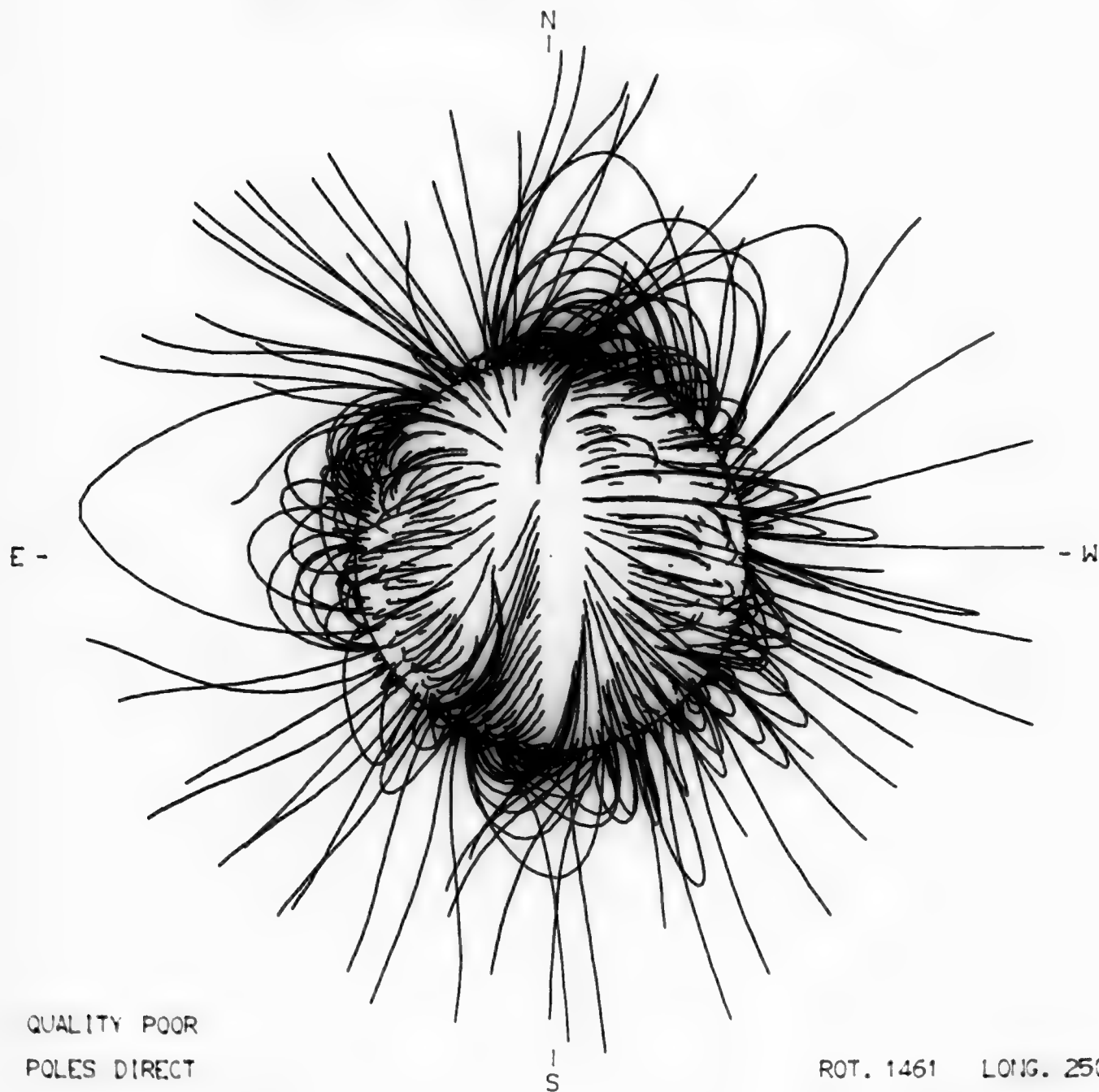
QUALITY POOR

POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 260°
28.3 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

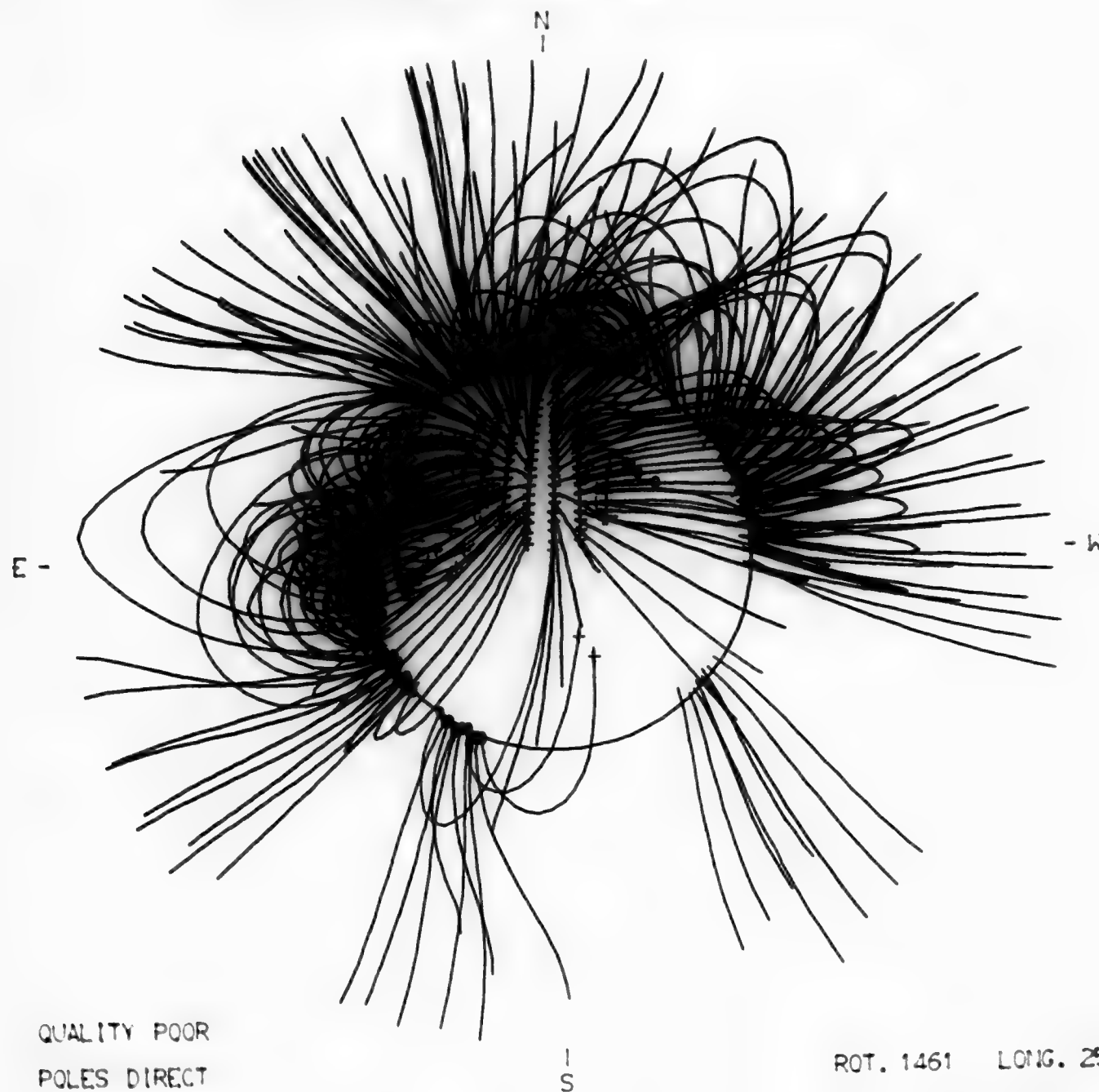
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 250°

29.1 NOV 1962

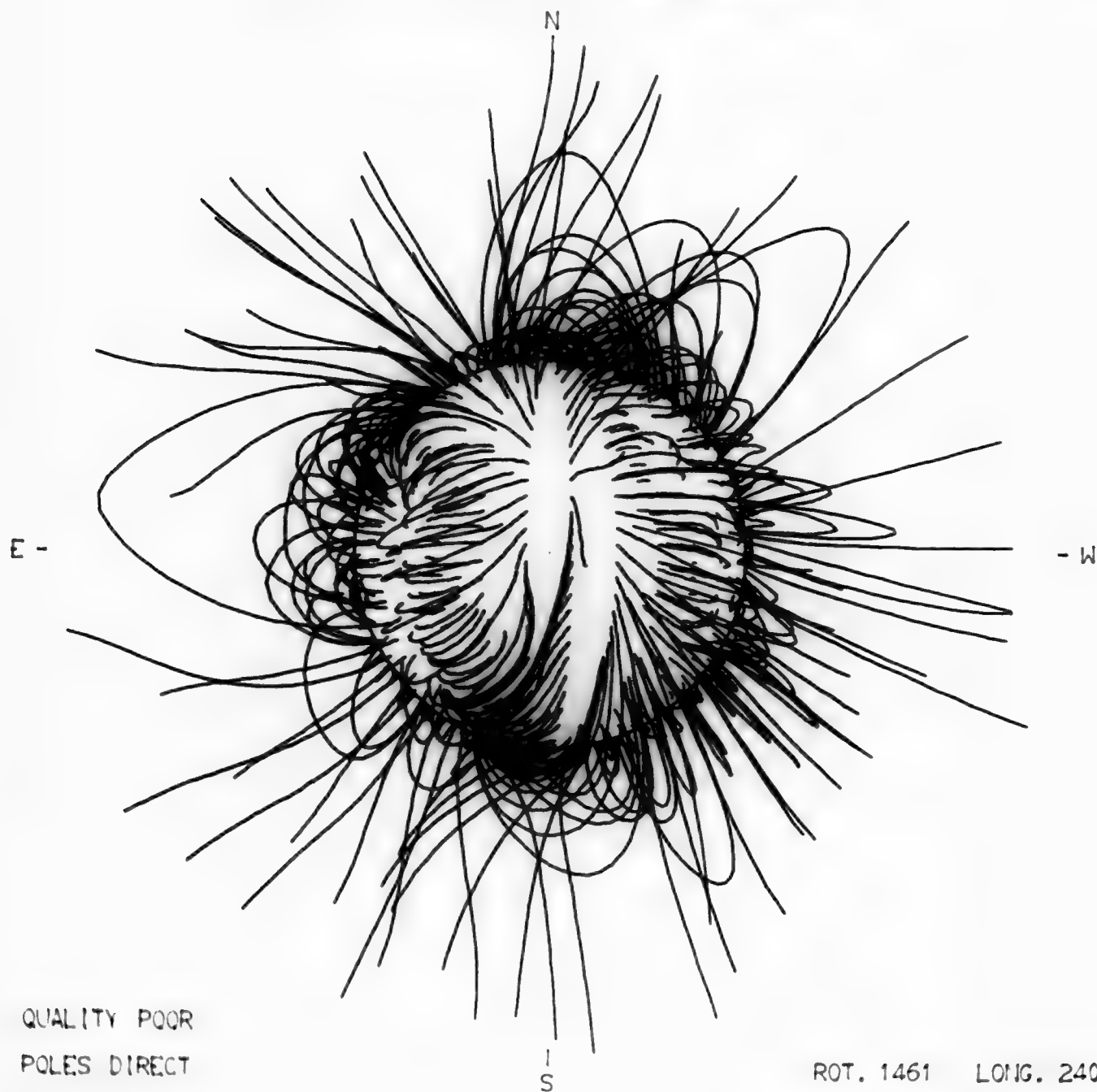
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 250°
29.1 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

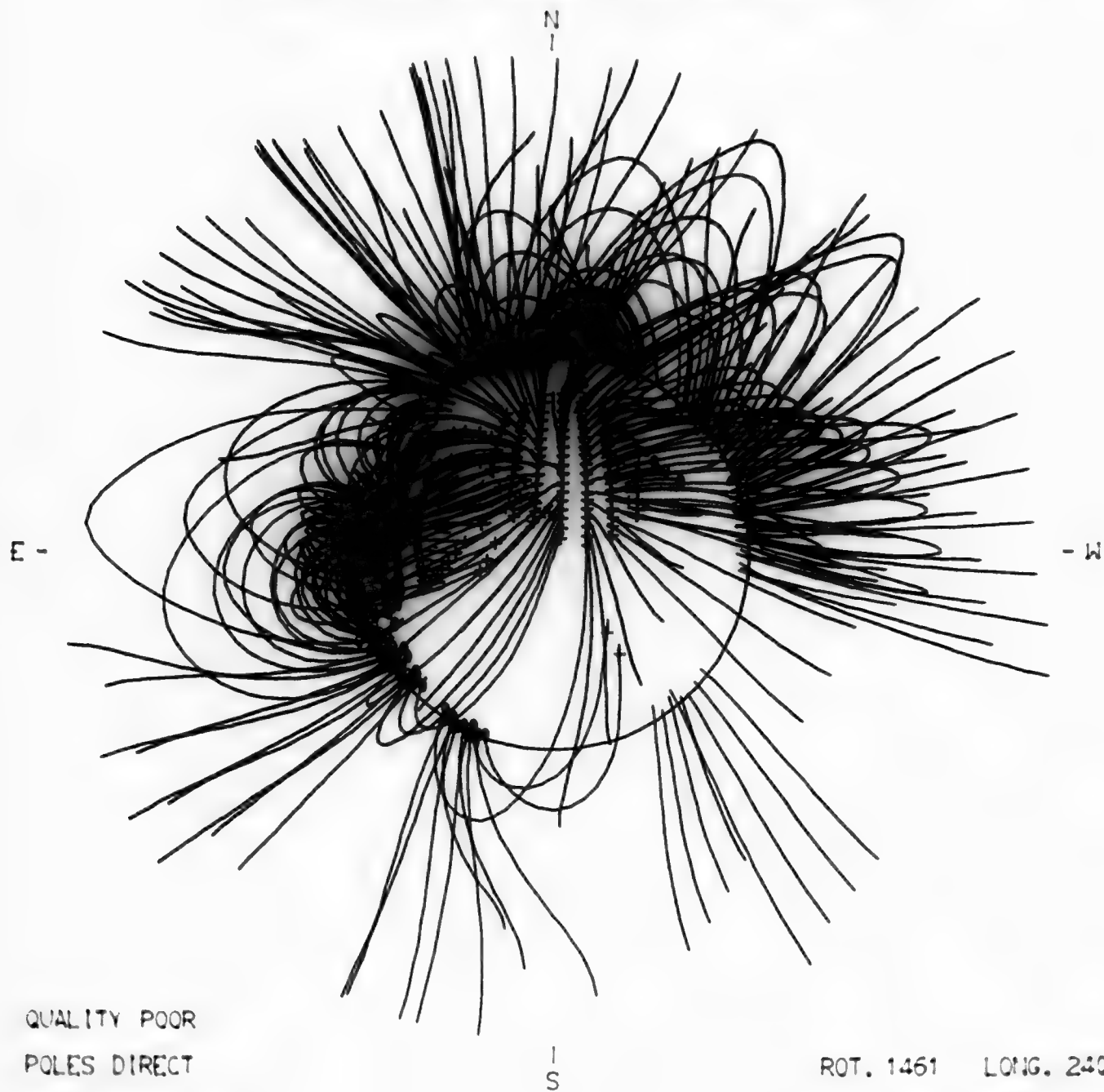
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 240°

29.8 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

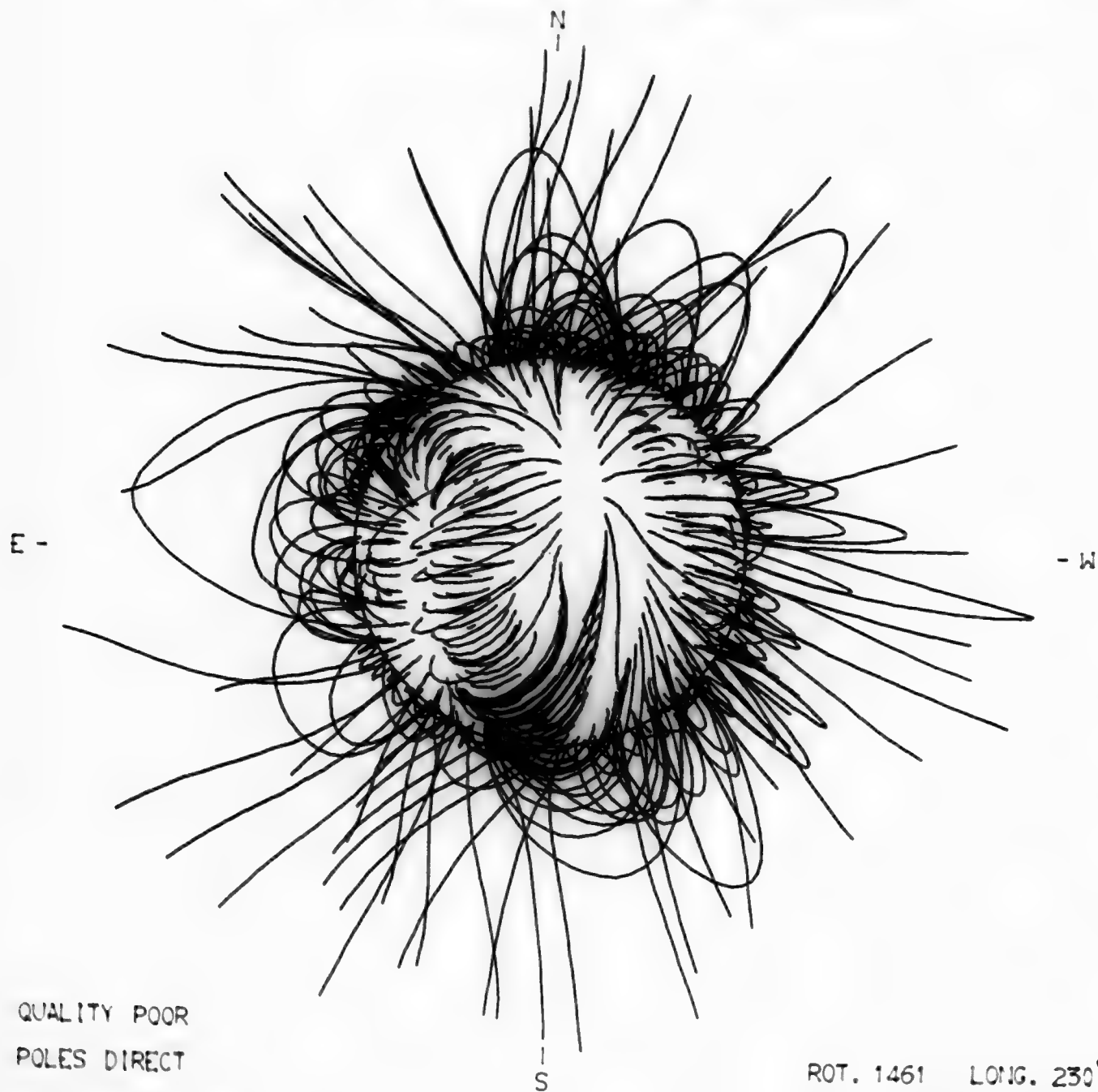
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 240°

29.8 NOV 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

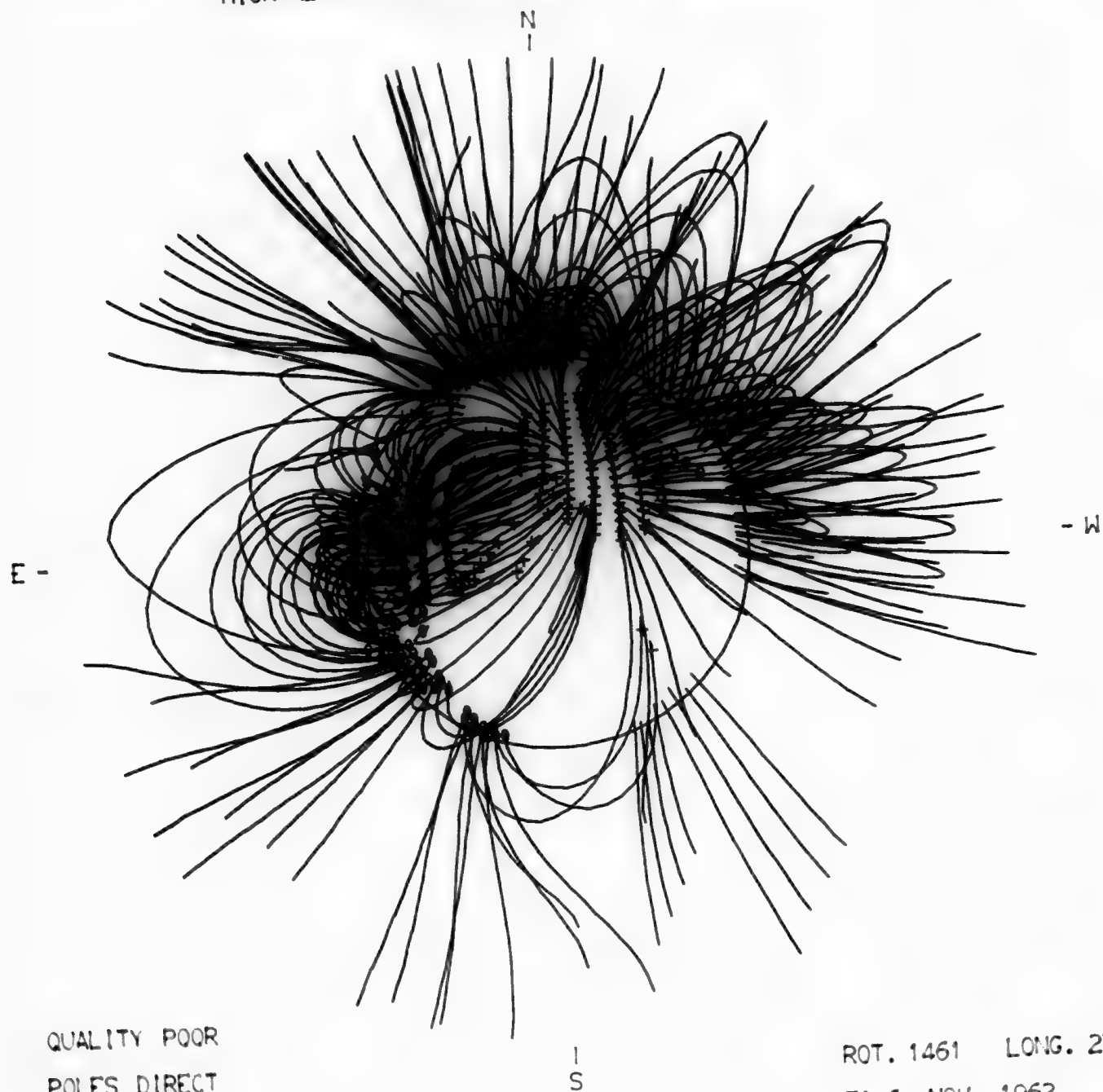
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 230°

30.6 NOV 1962

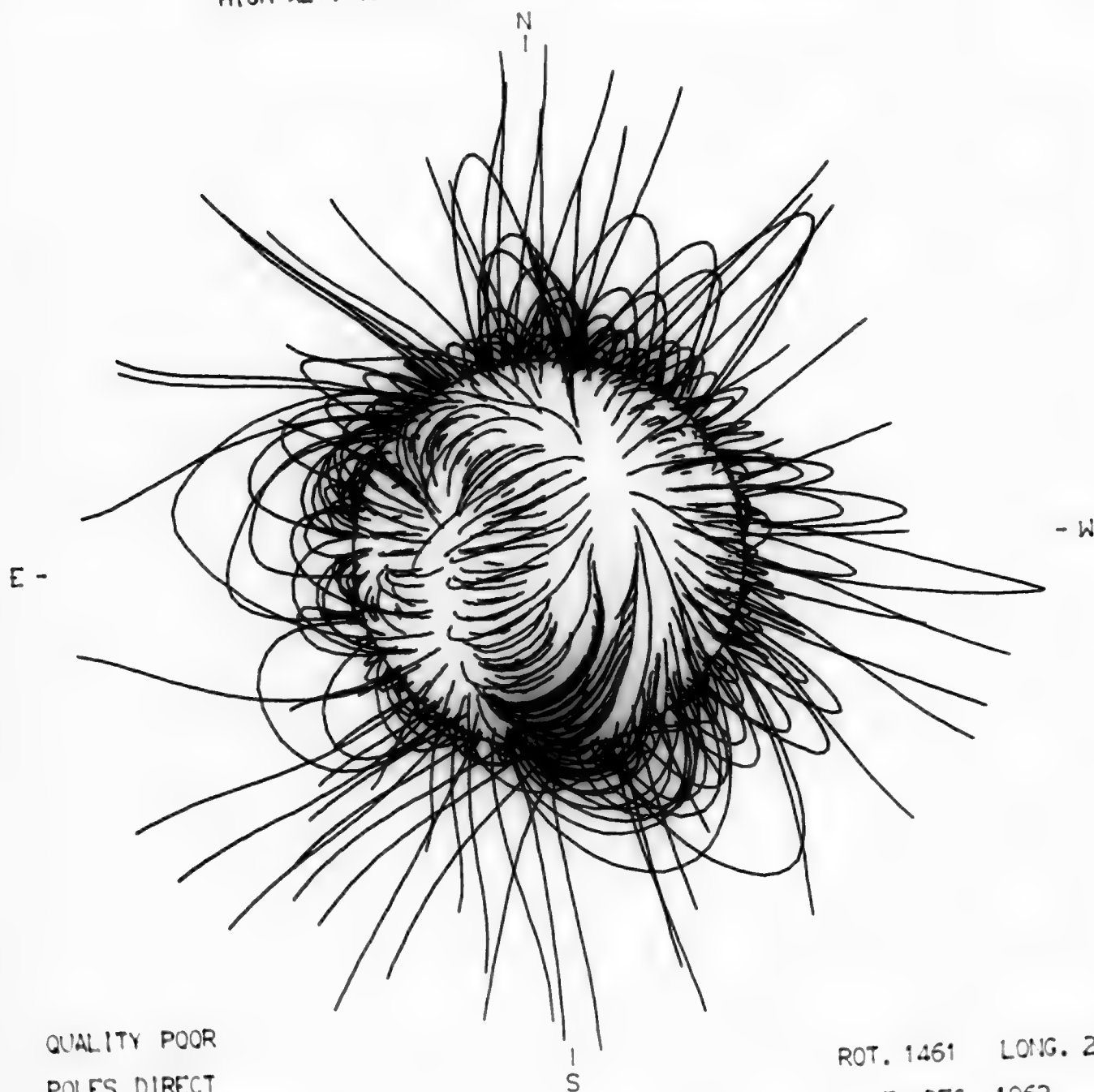
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 230°
30.6 NOV 1962

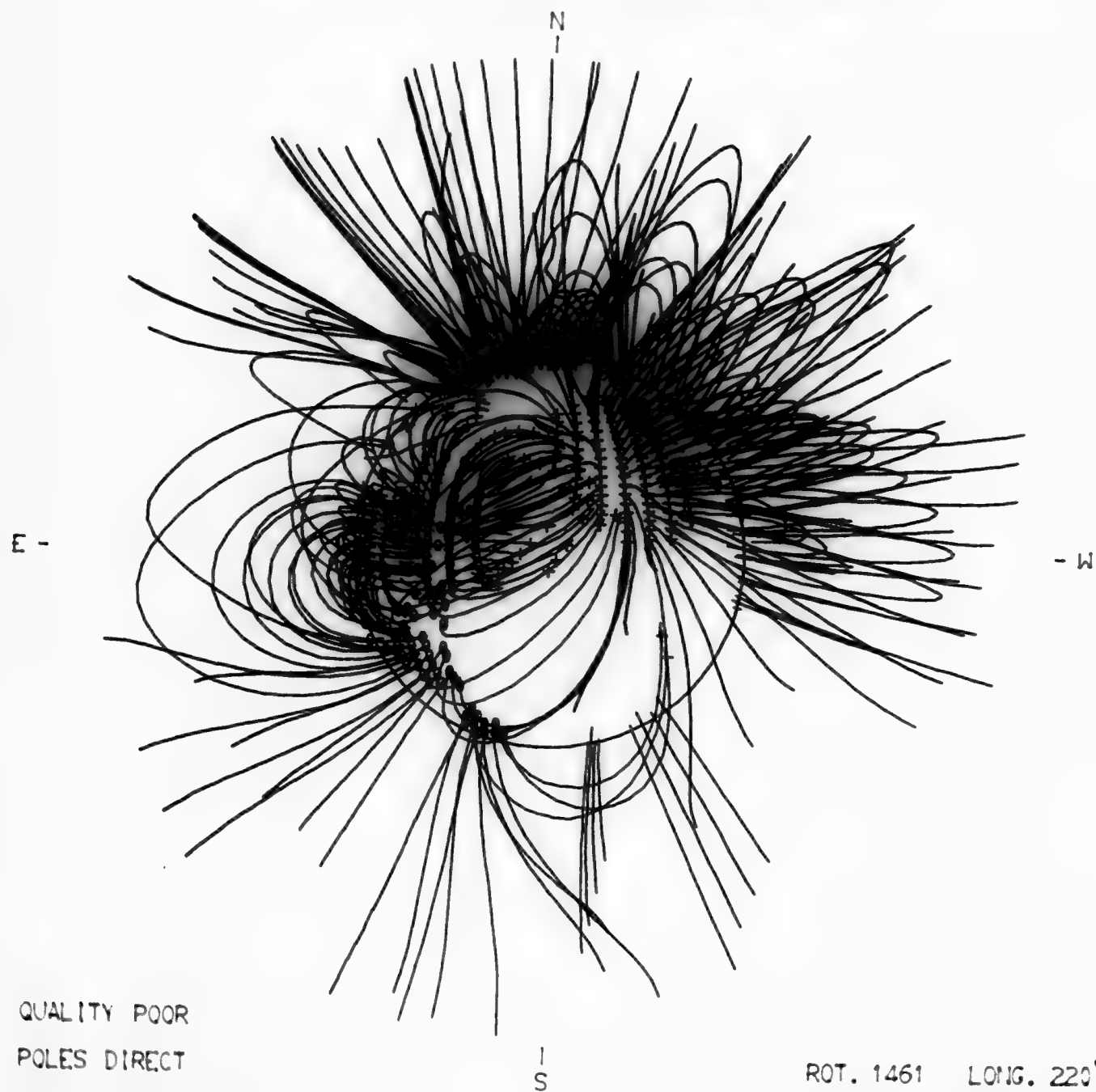
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 220°
1.3 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

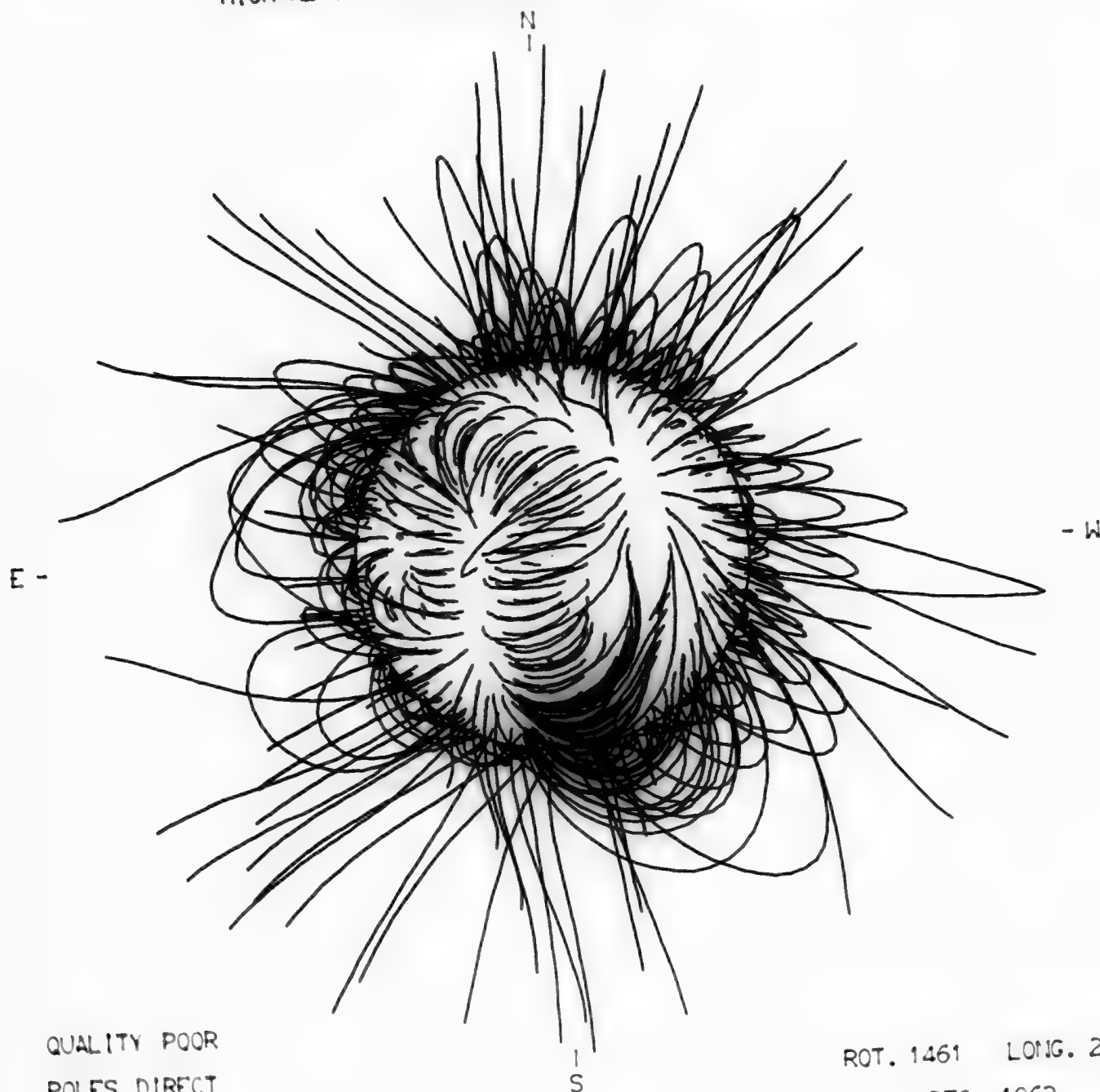
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 220°

1.3 DEC 1962

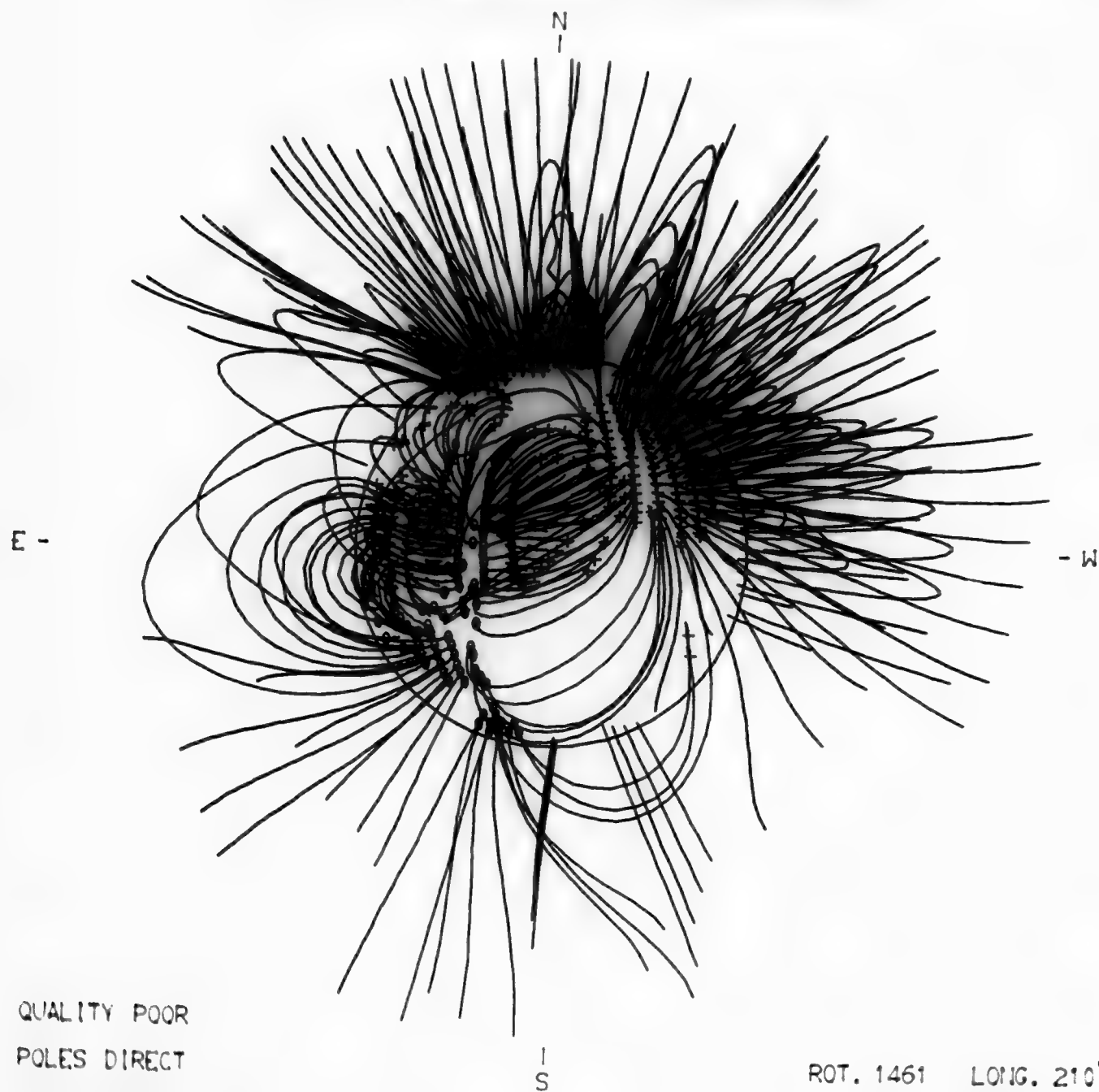
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 210°
2.1 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

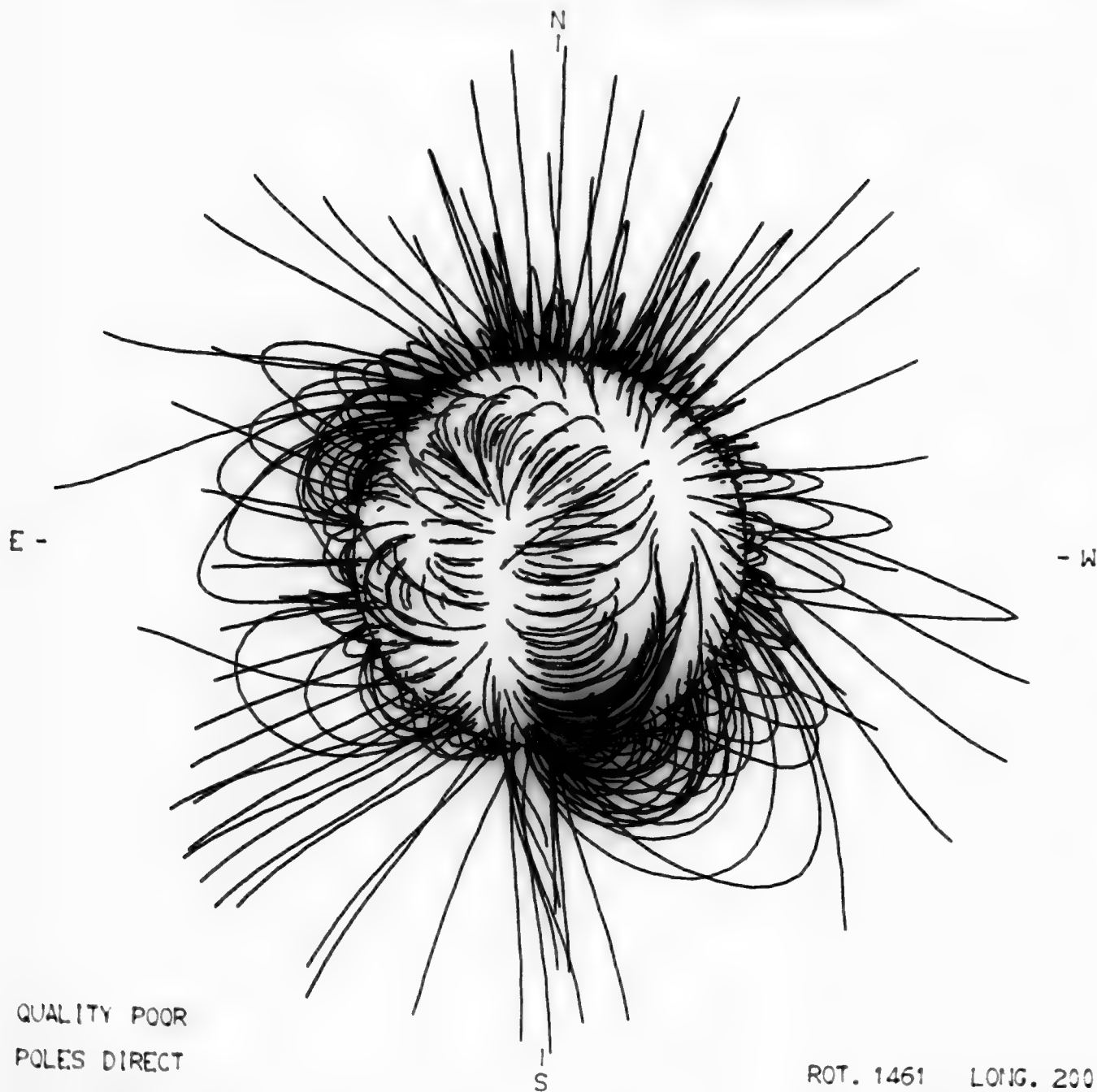
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 210°

2.1 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

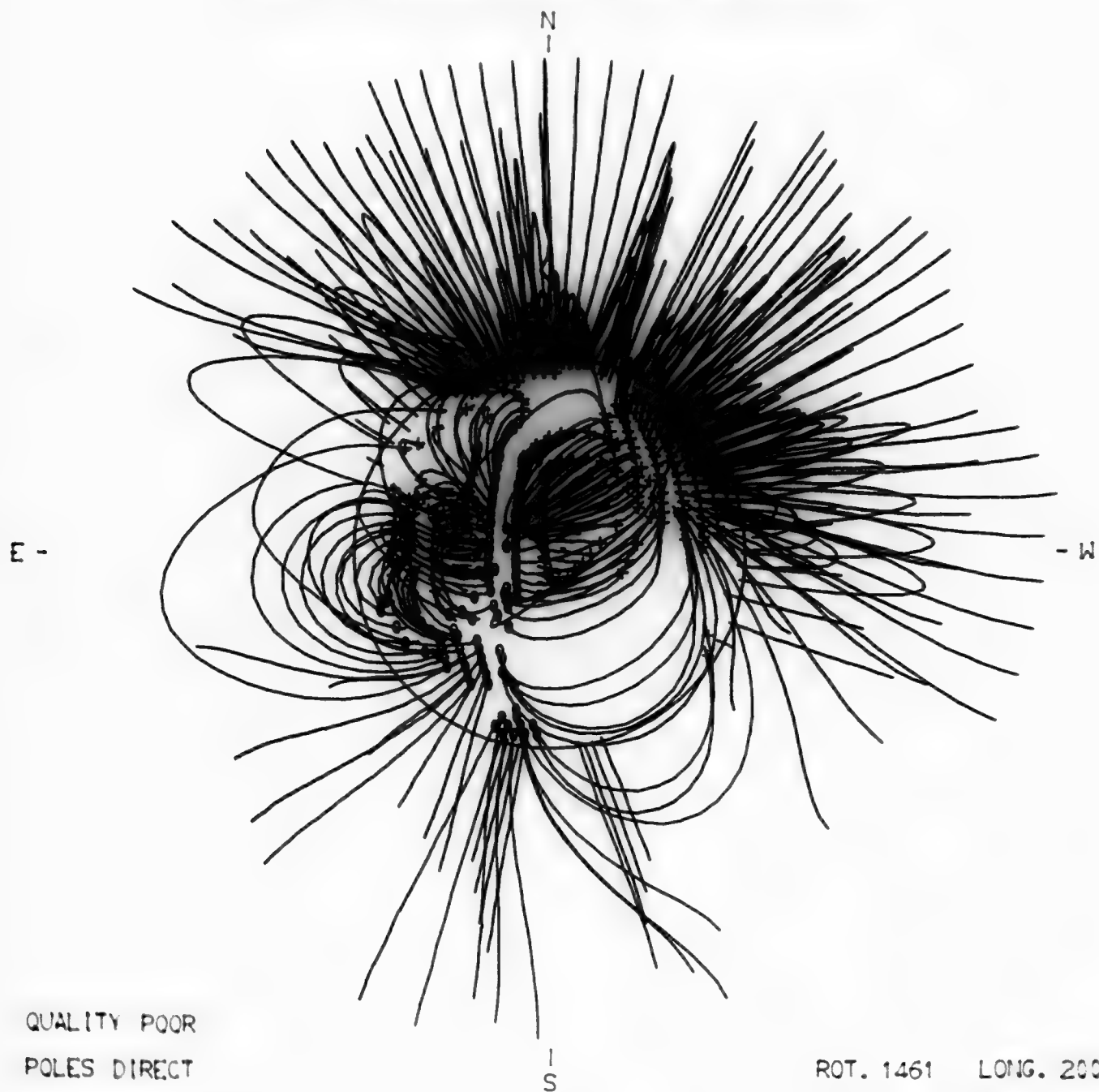
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 200°

2.9 DEC 1962

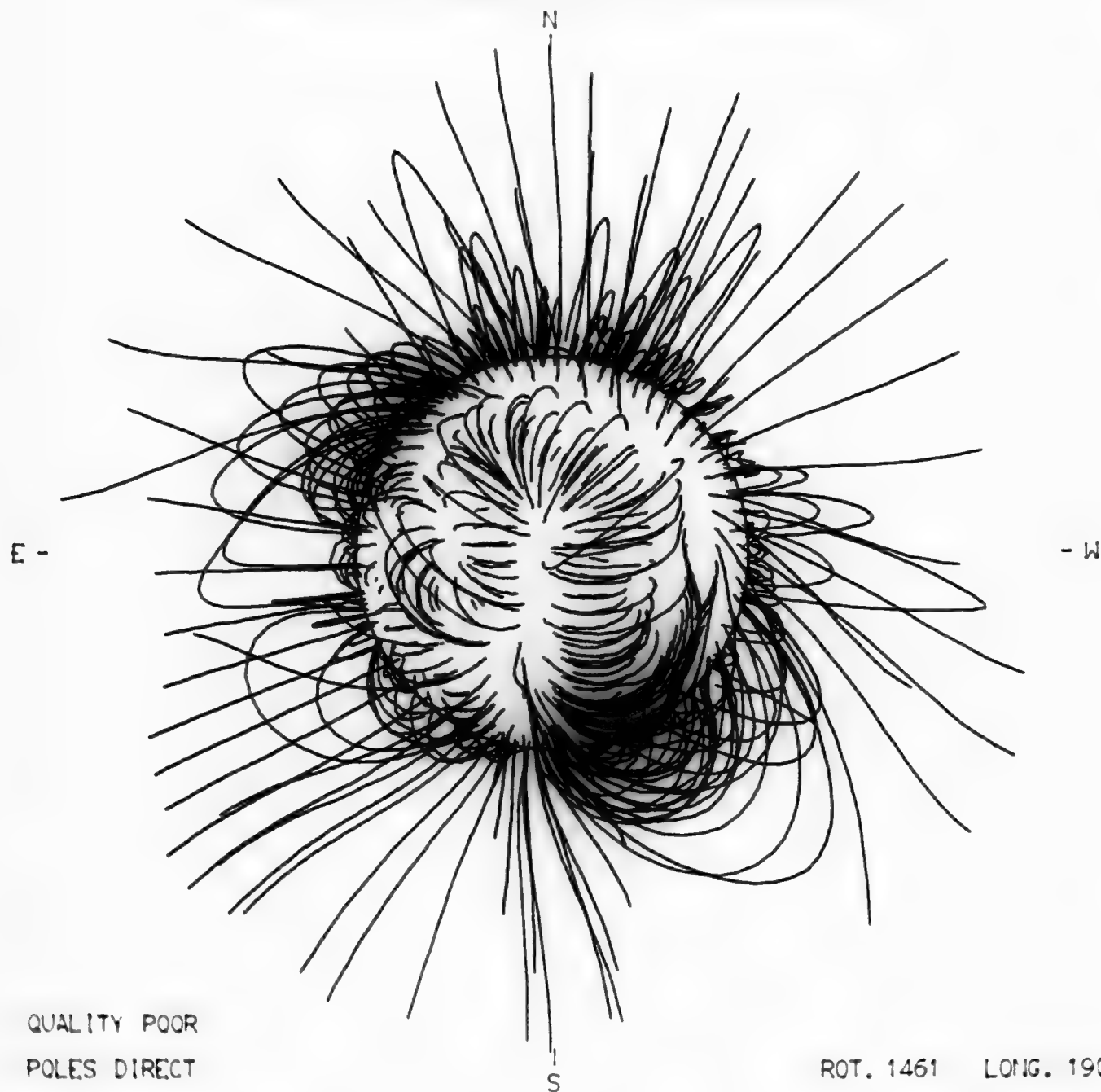
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 200°
2.9 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

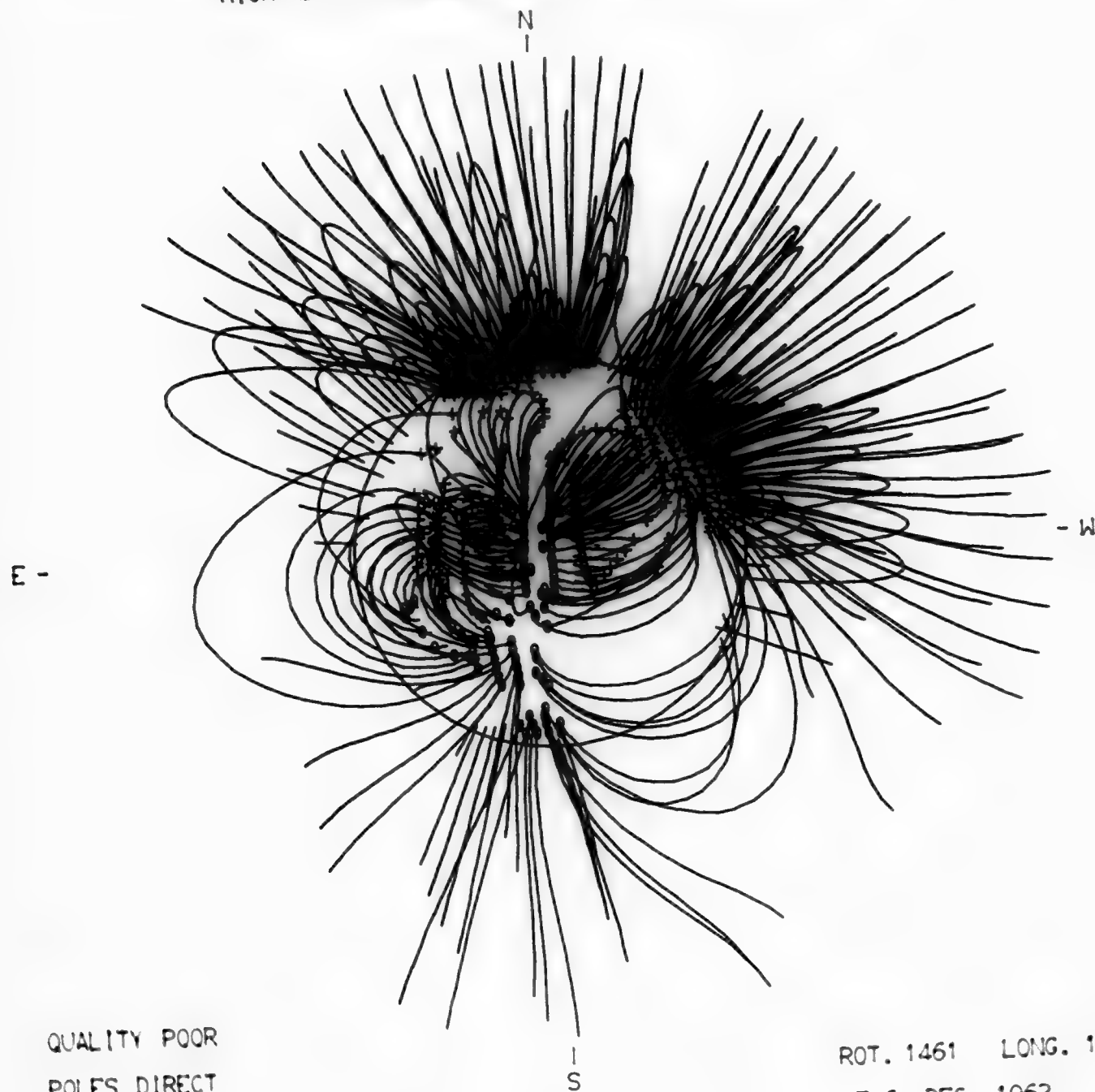
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 190°

3.6 DEC 1962

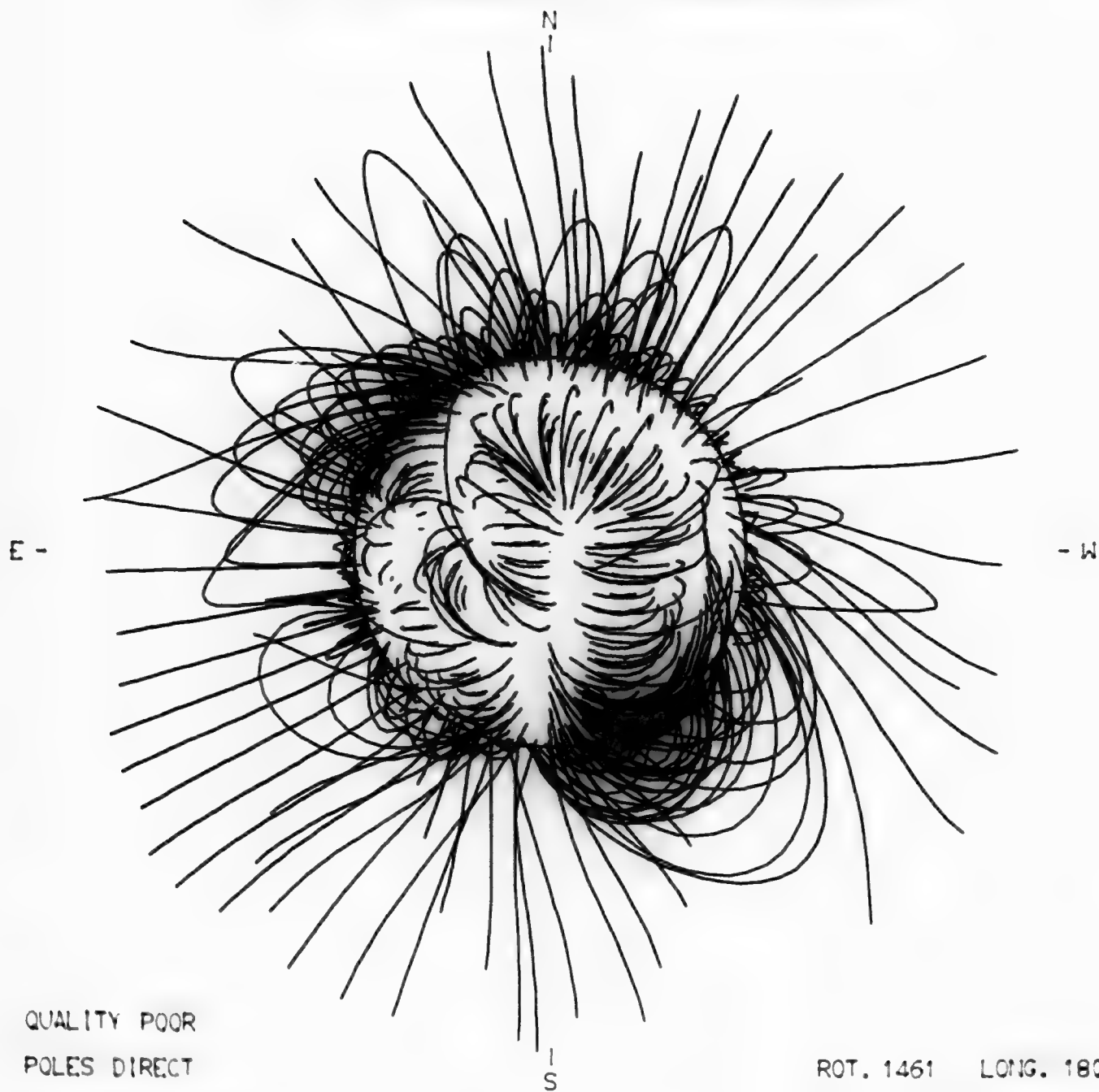
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 190°
3.6 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

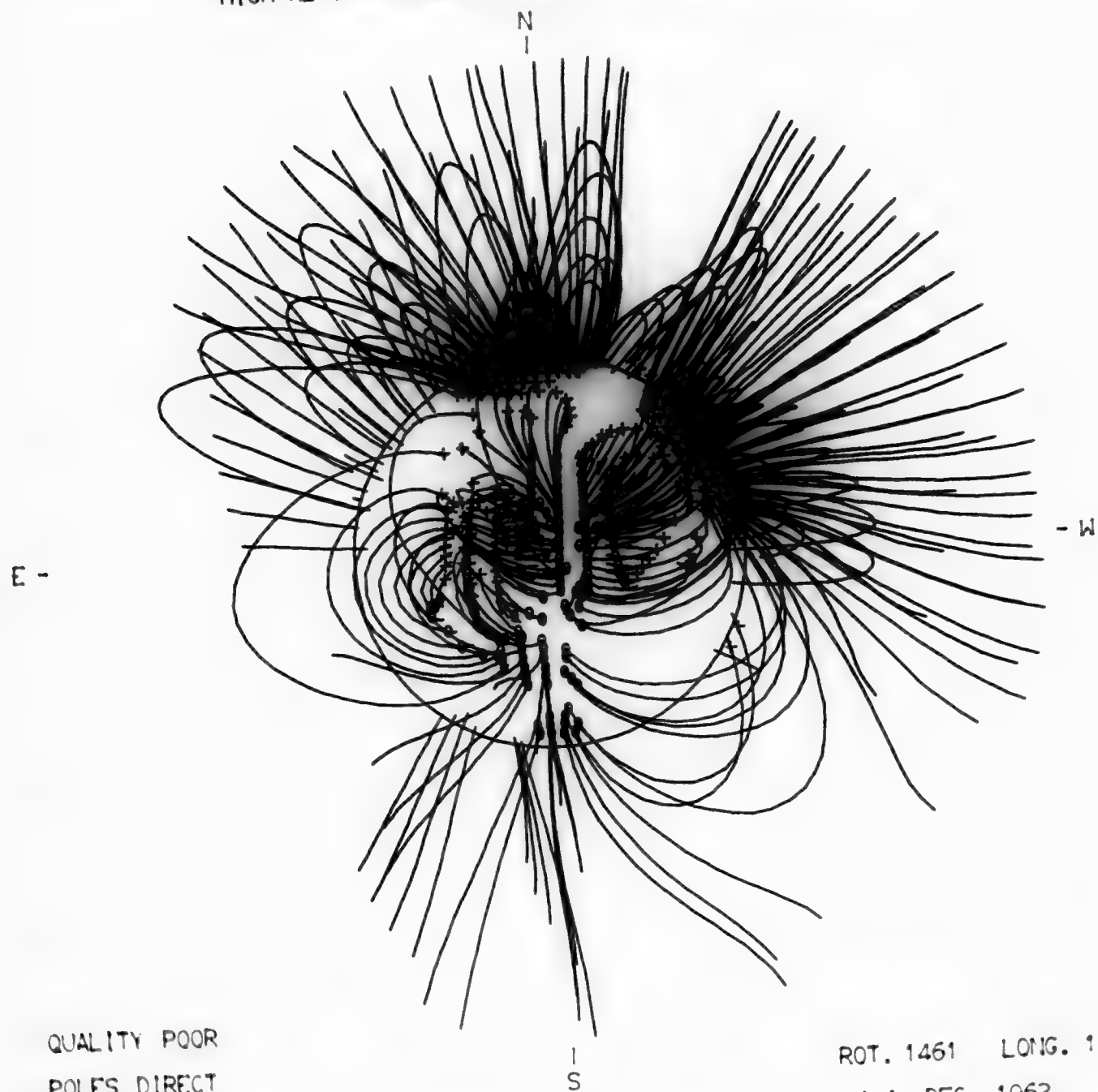
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 180°

4.4 DEC 1962

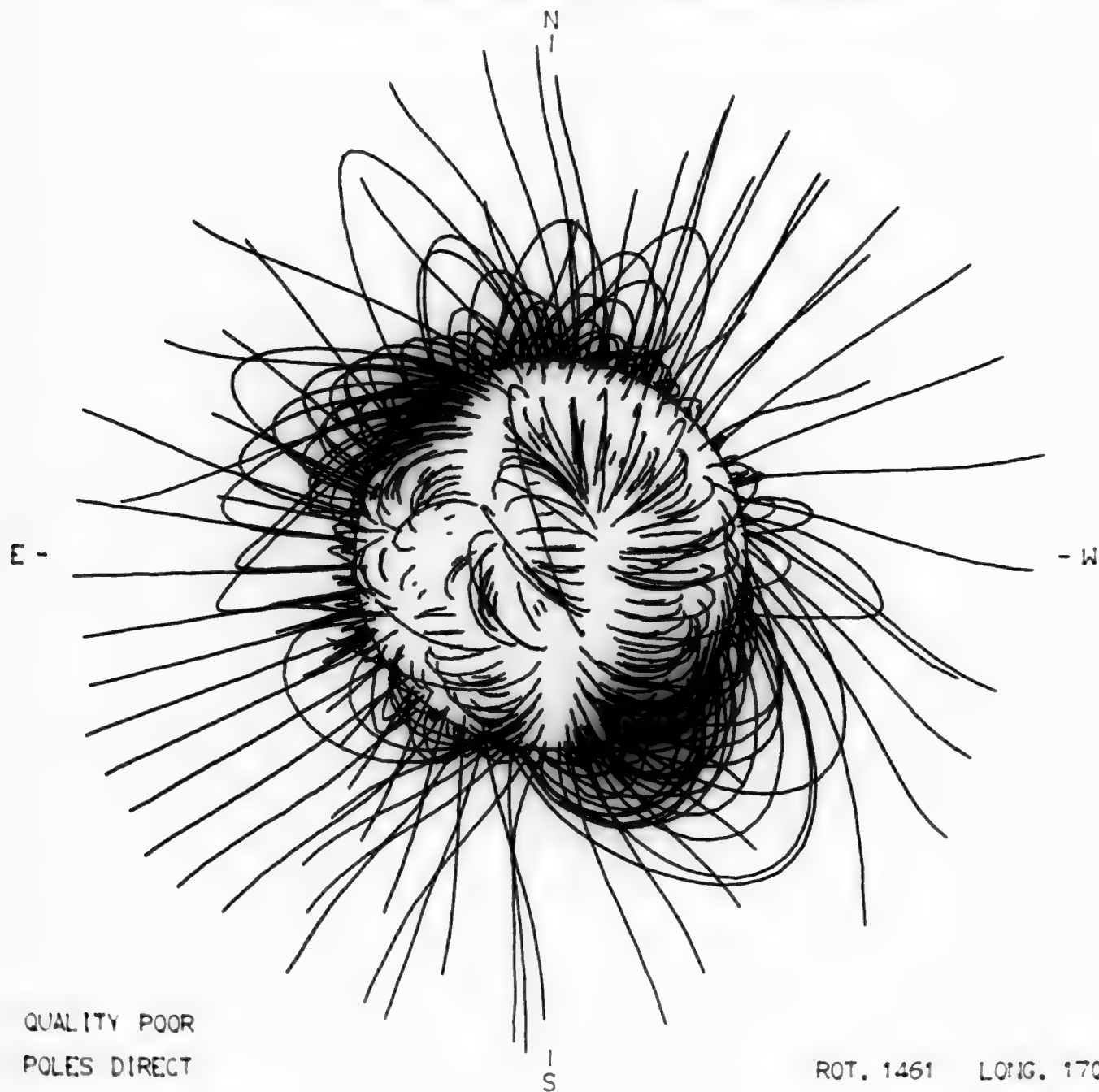
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 180°
4.4 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

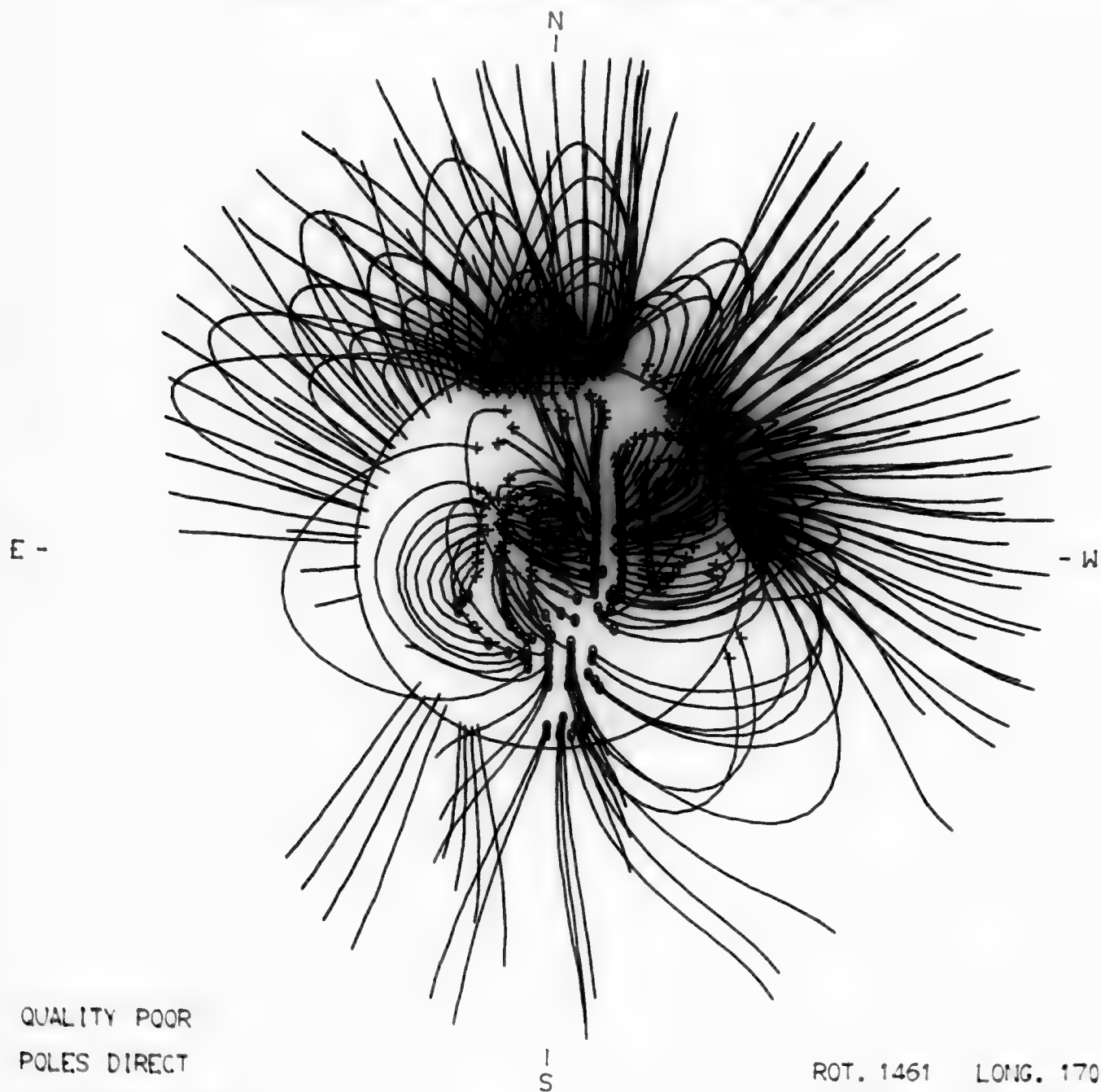
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 170°

5.1 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

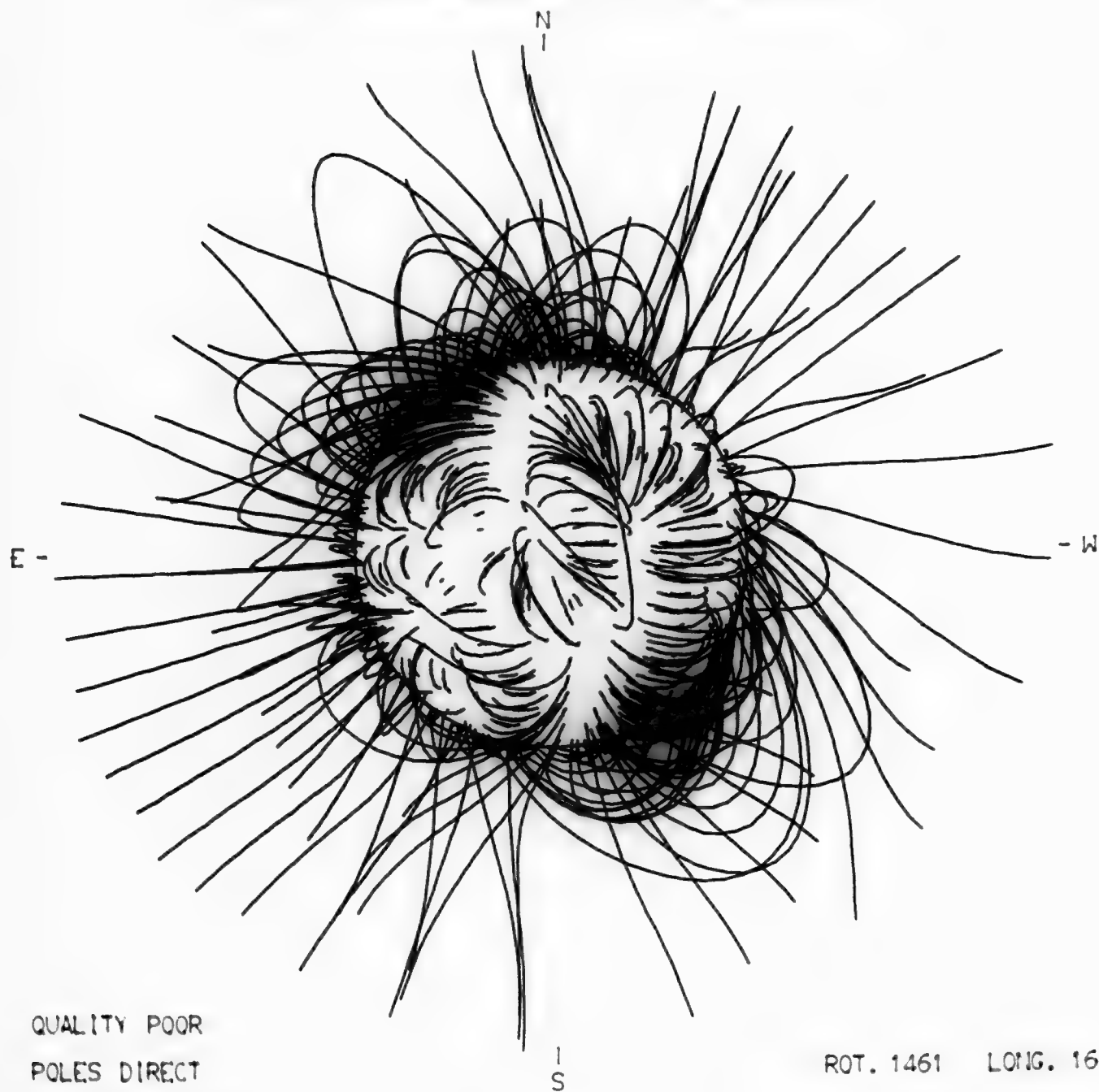
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 170°

5.1 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



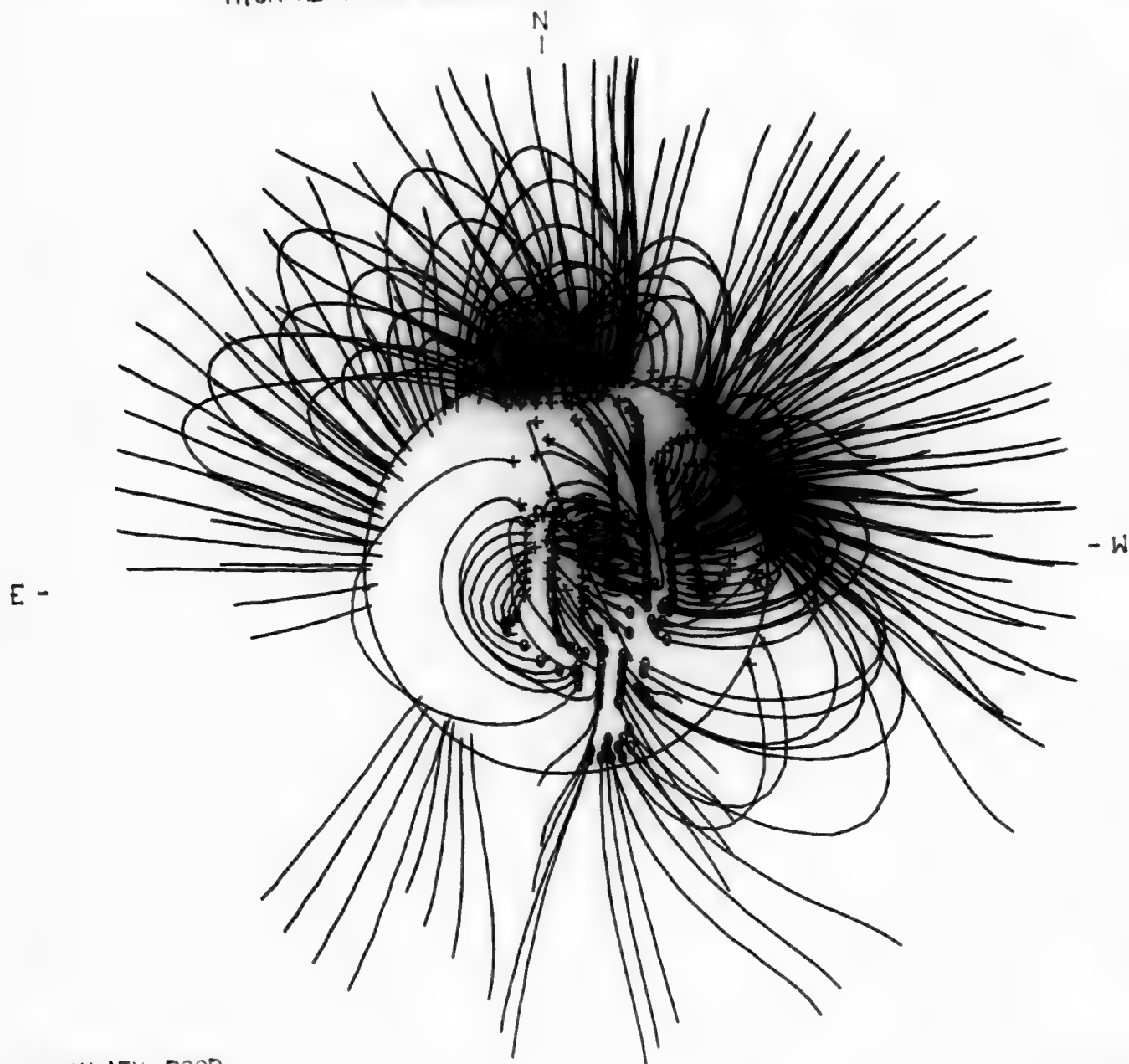
QUALITY POOR

POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 160°
5.9 DEC 1962

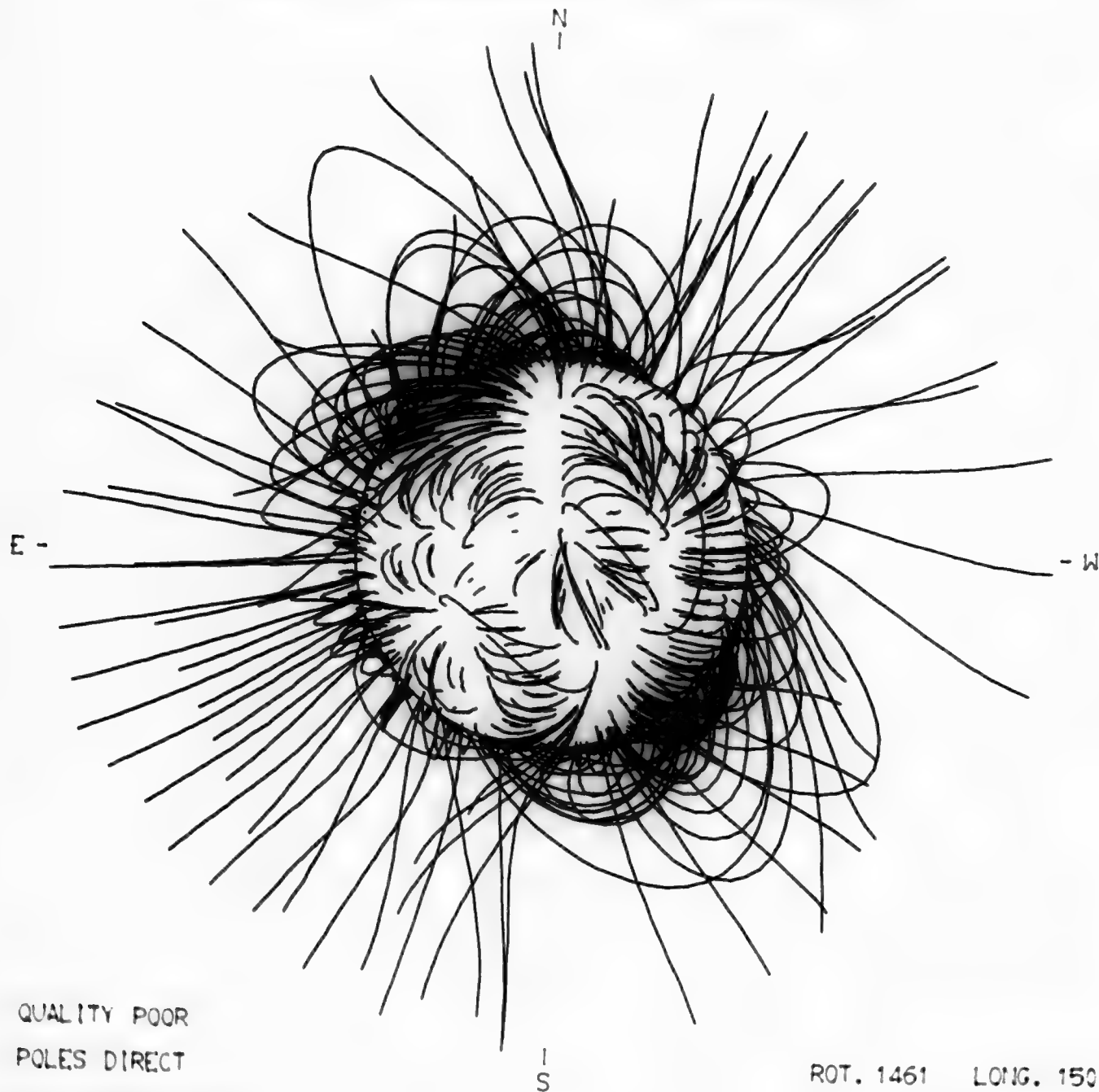
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 160°
5.9 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

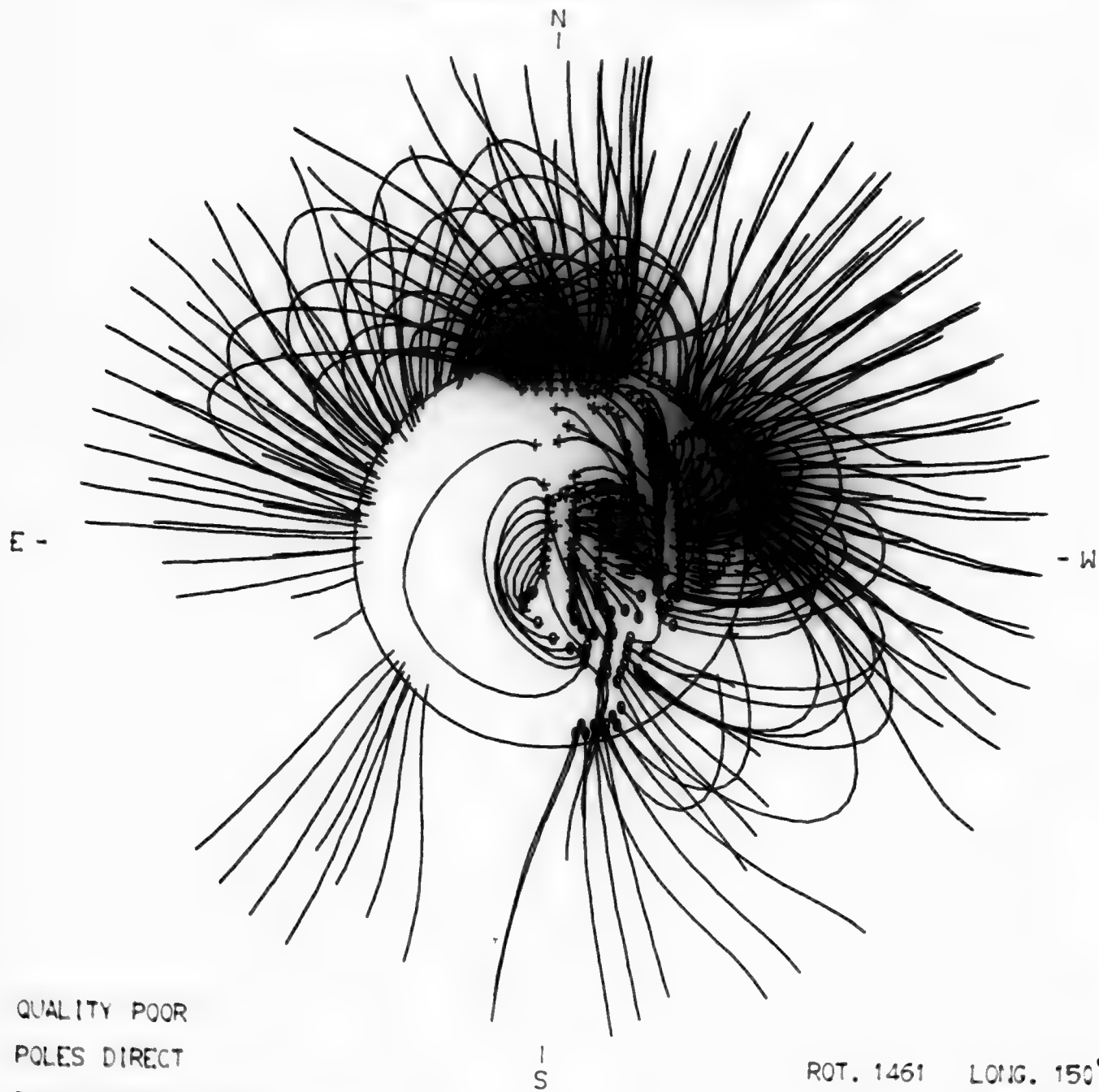
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 150°

6.6 DEC 1962

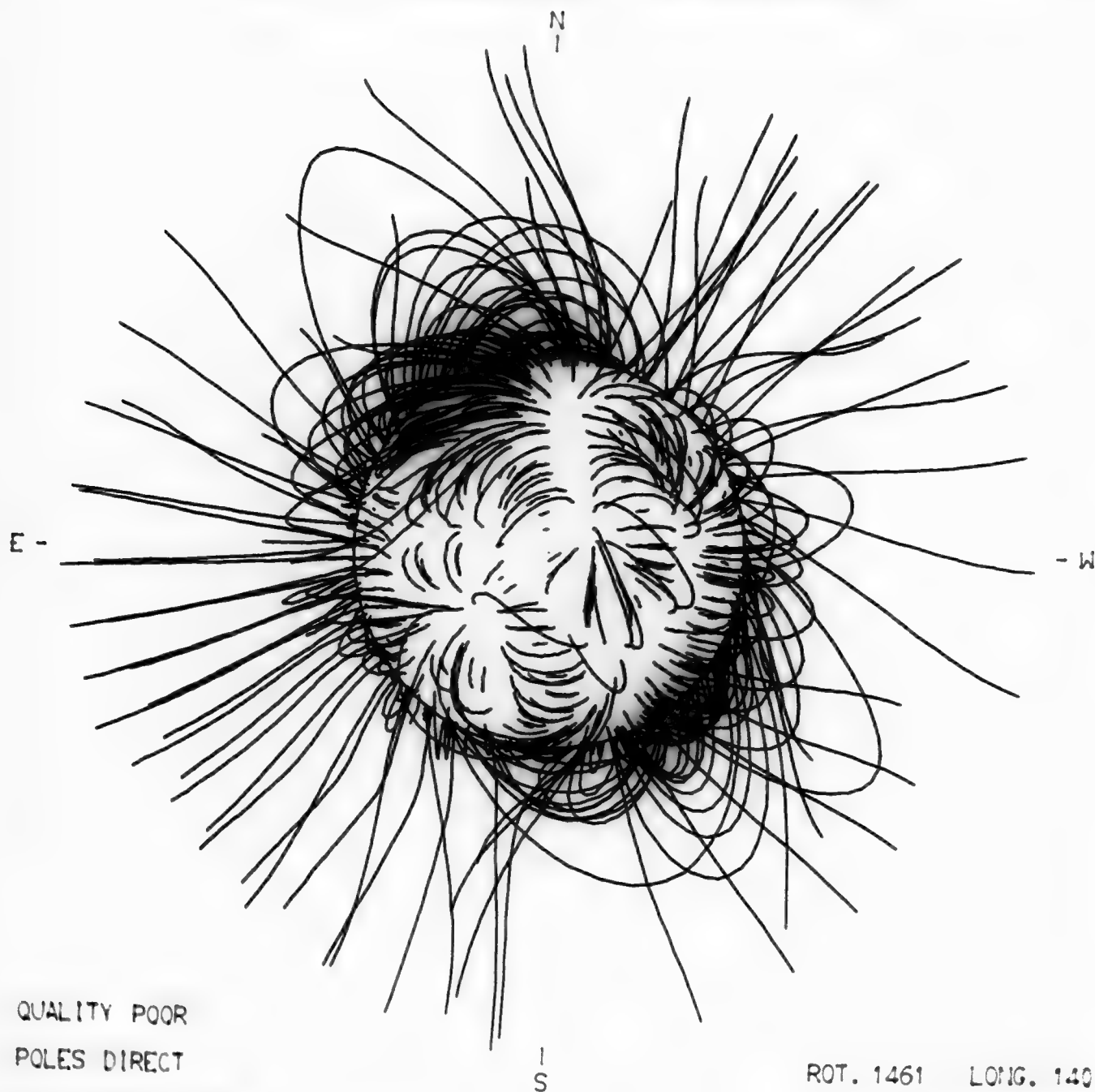
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 150°
6.6 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

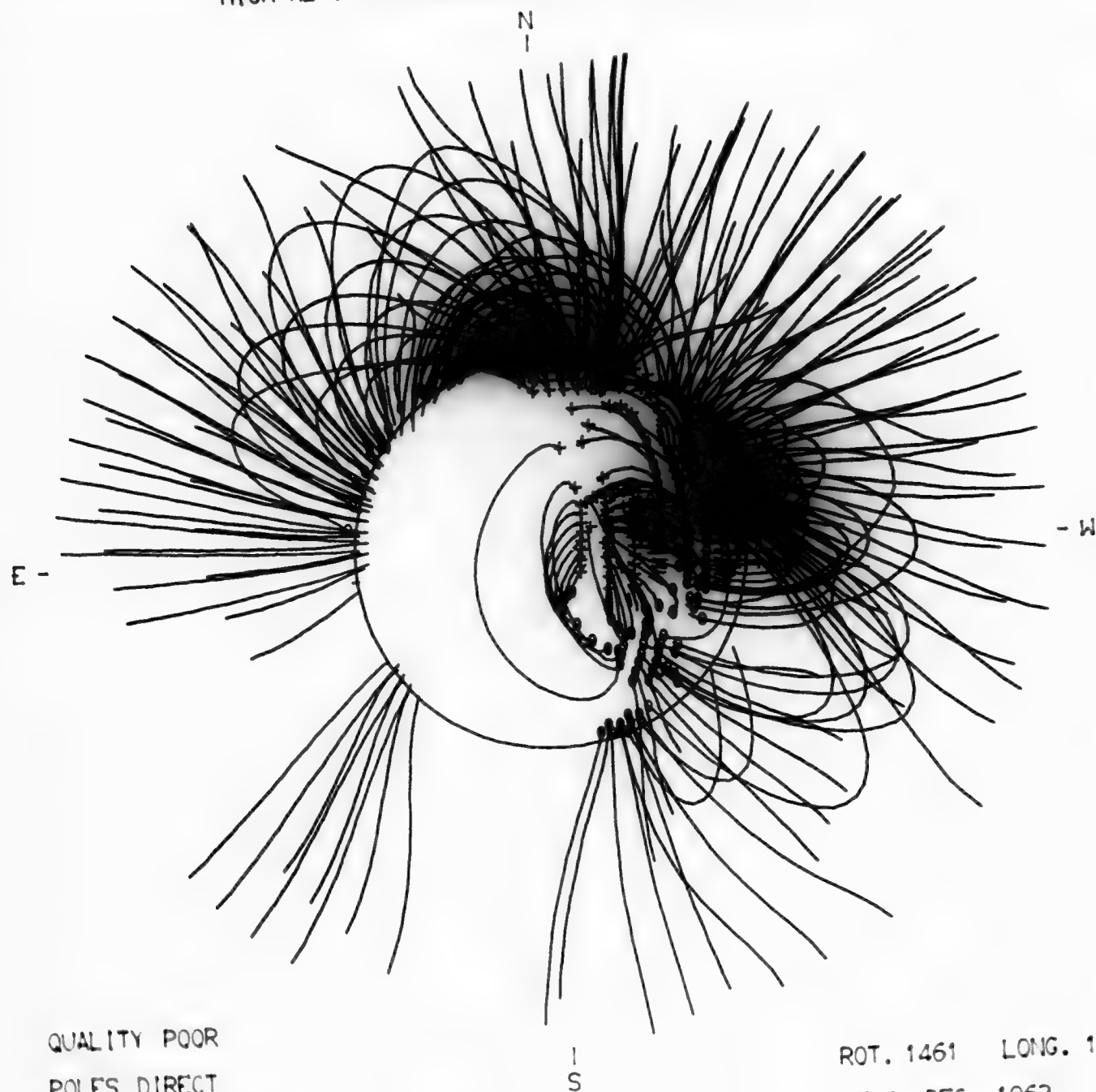
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 140°

7.4 DEC 1962

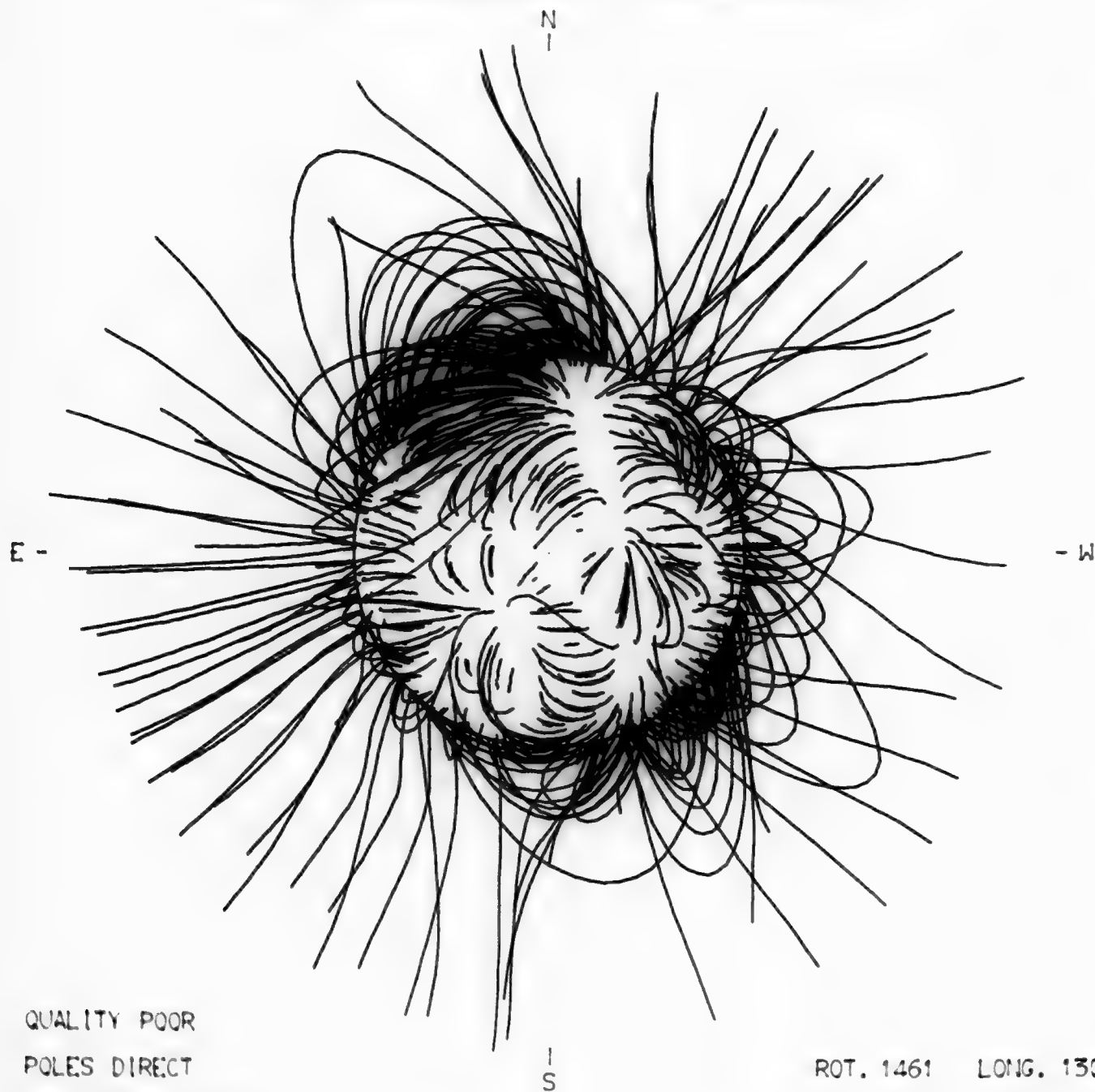
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 140°
7.4 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

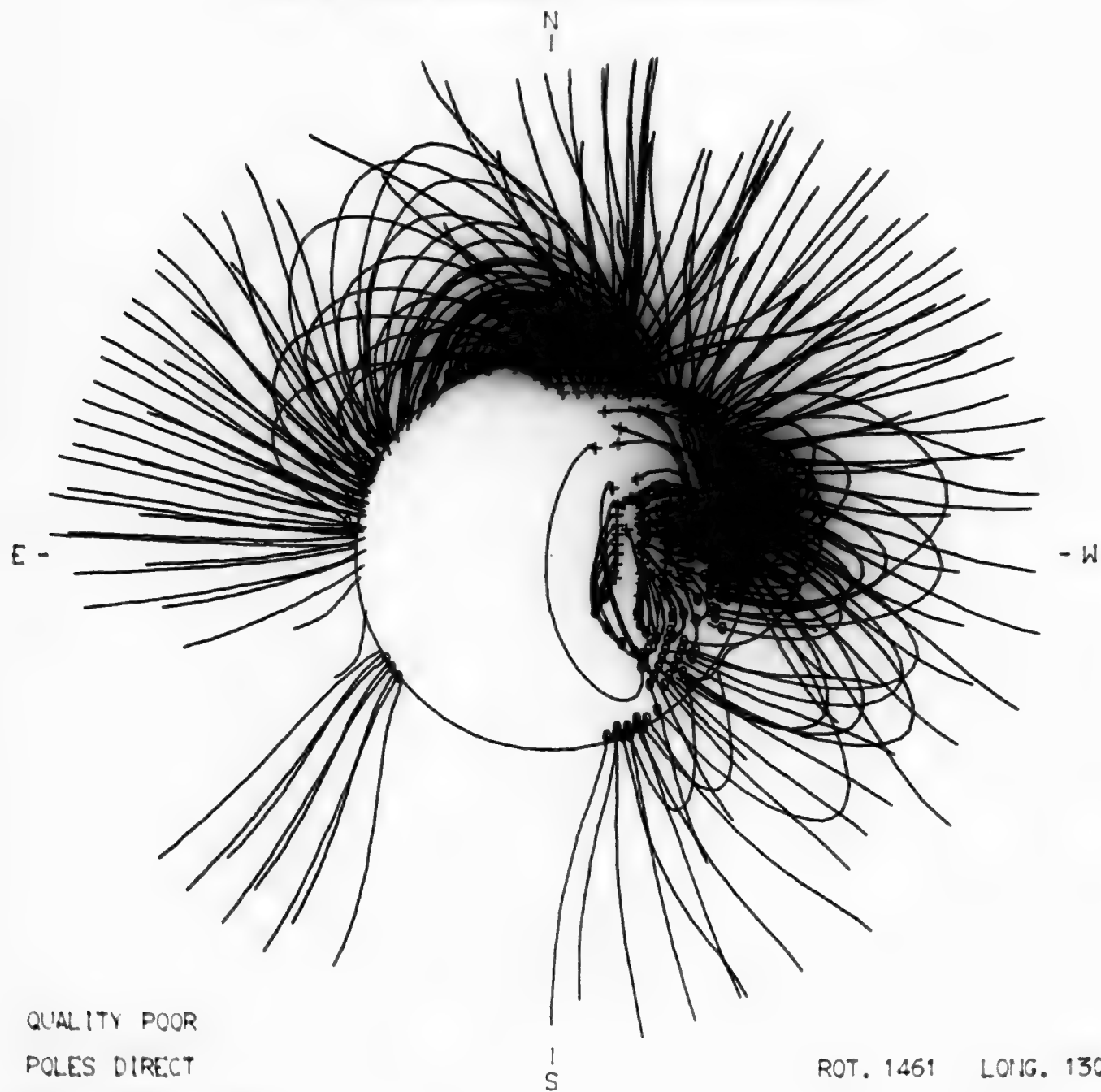
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 130°

8.2 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

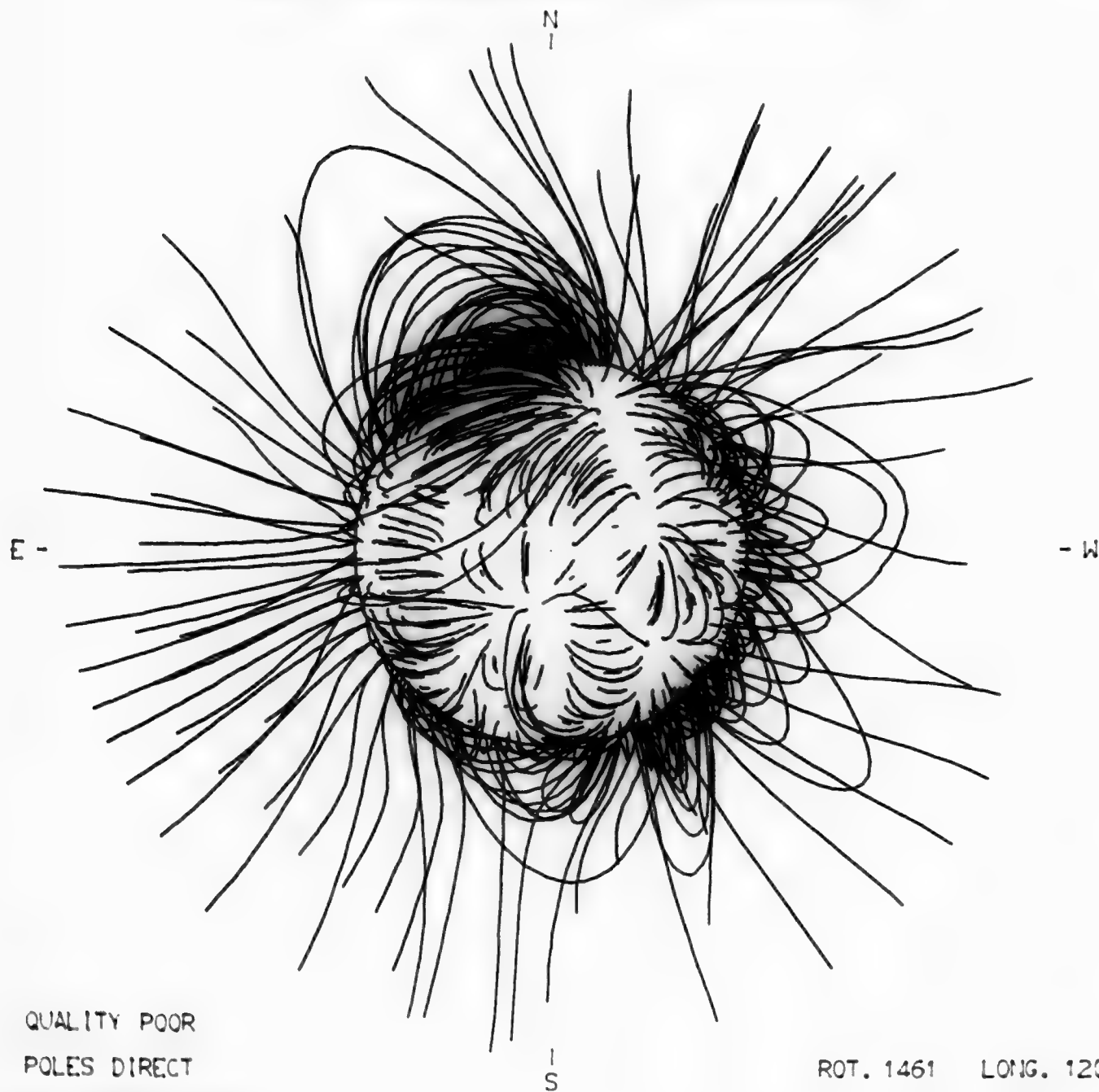
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 130°

8.2 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

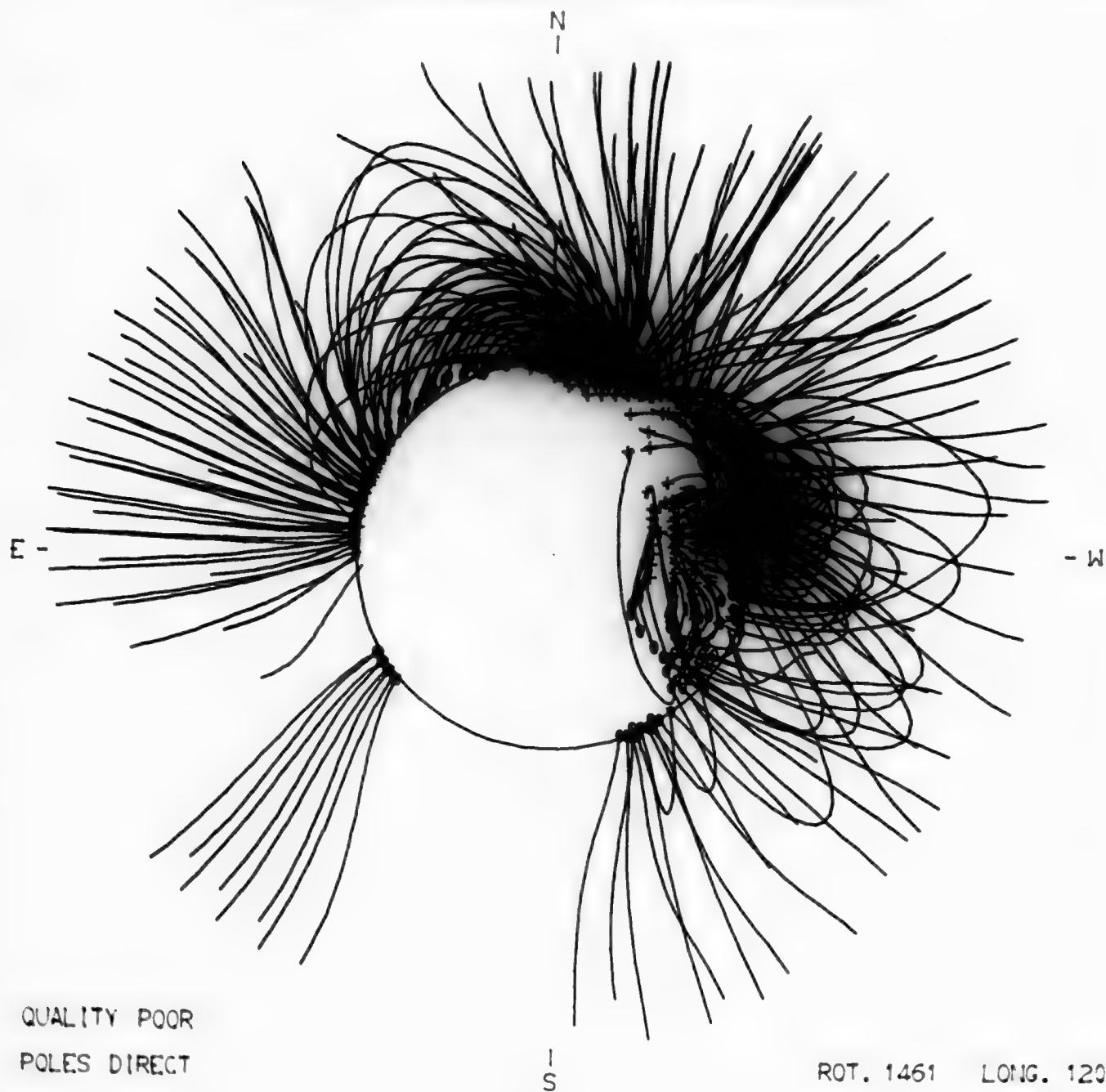
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 120°

8.9 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

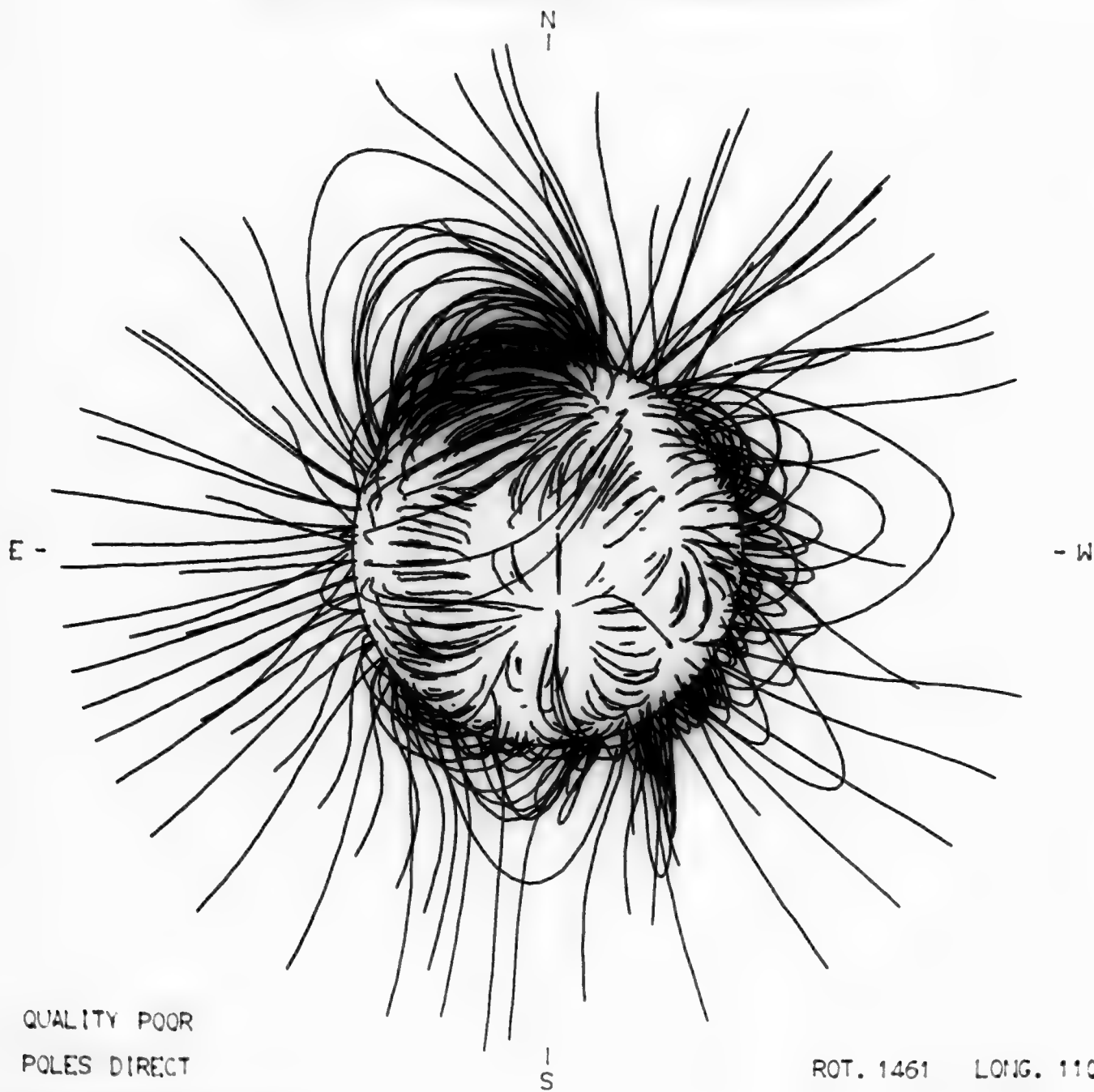
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 120°

8.9 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

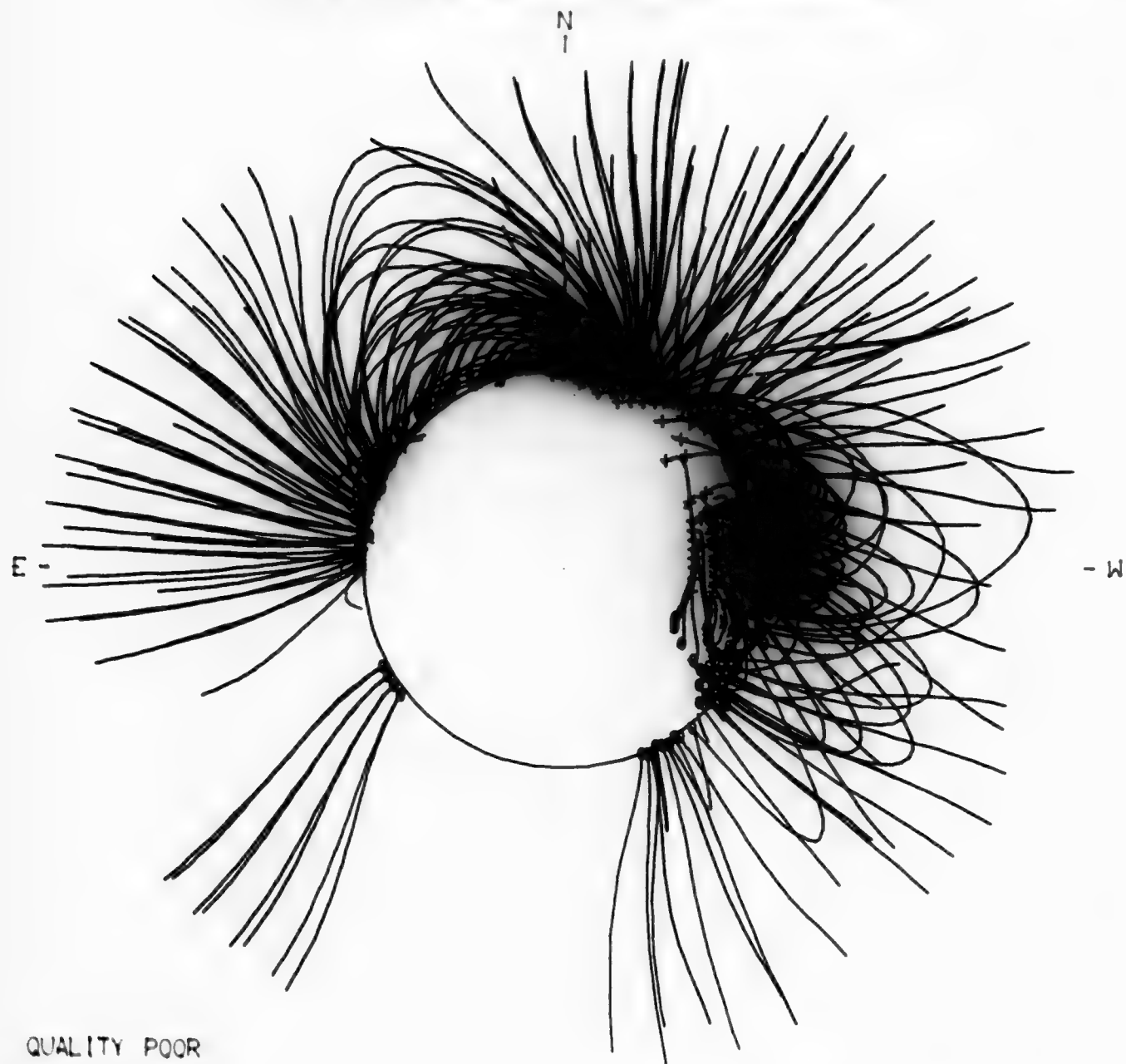
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 110°

9.7 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

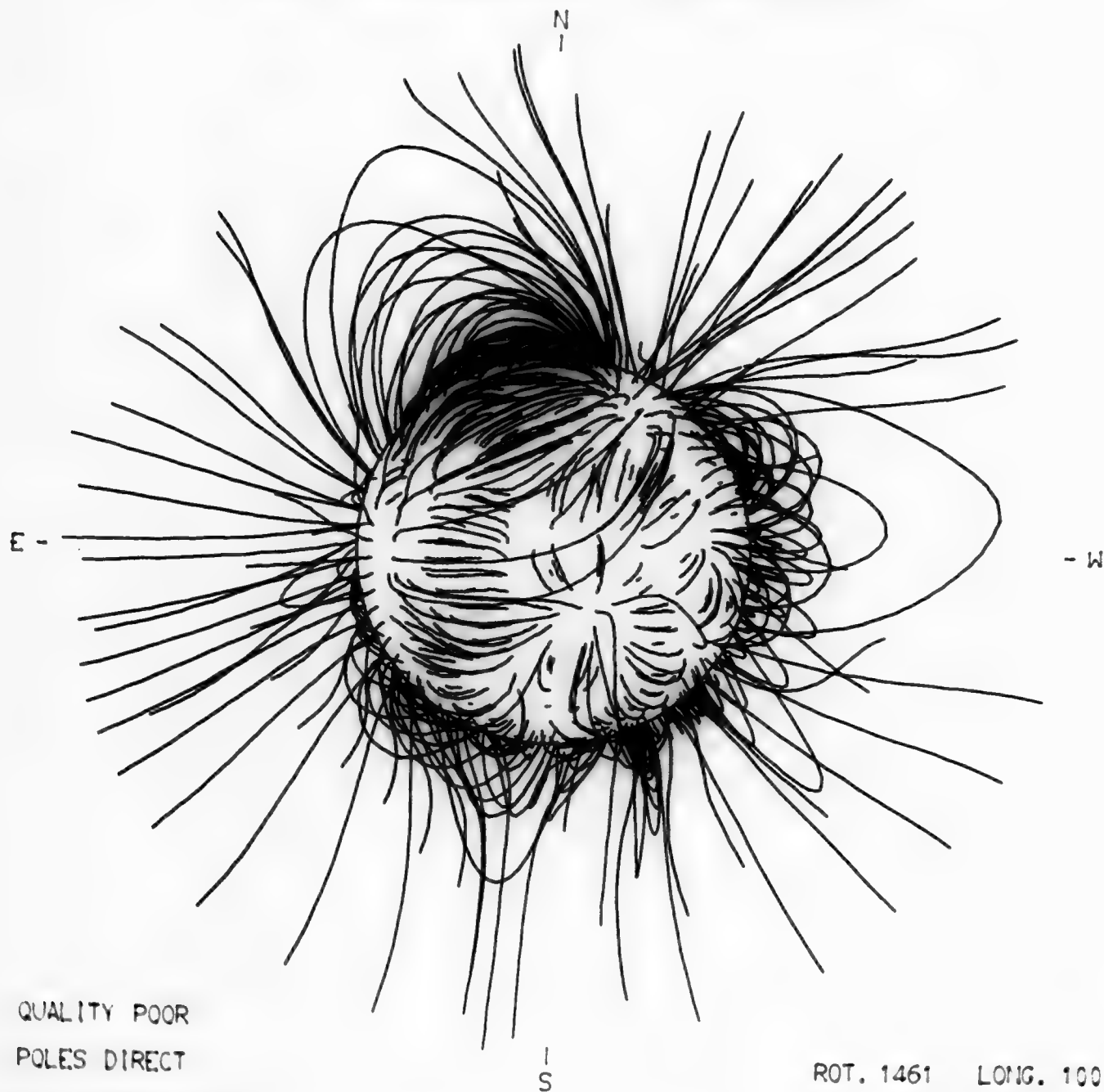
DATA WINDOW 1461.19

I
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ROT. 1461 LONG. 110°

9.7 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

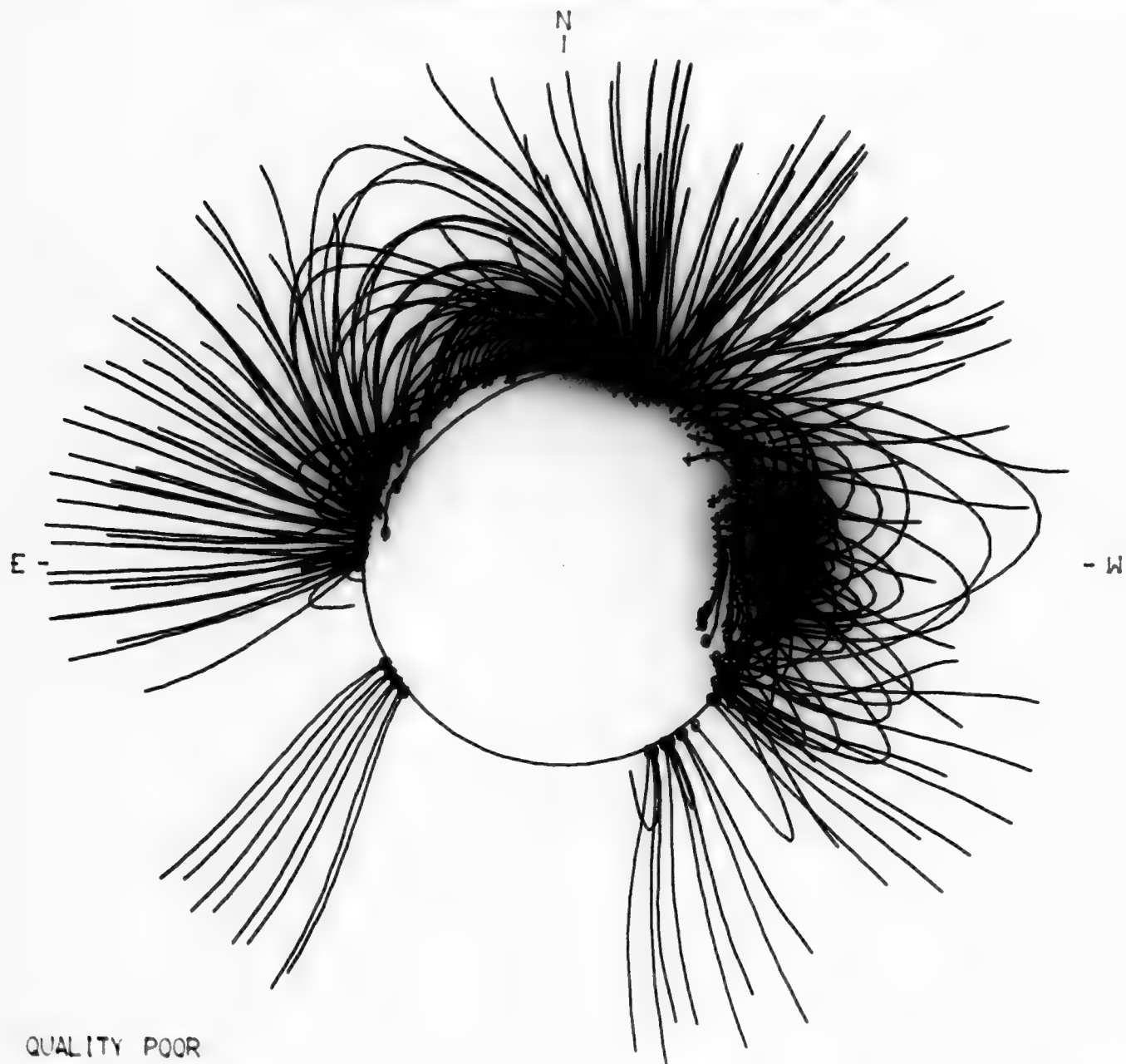
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 100°

10.4 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

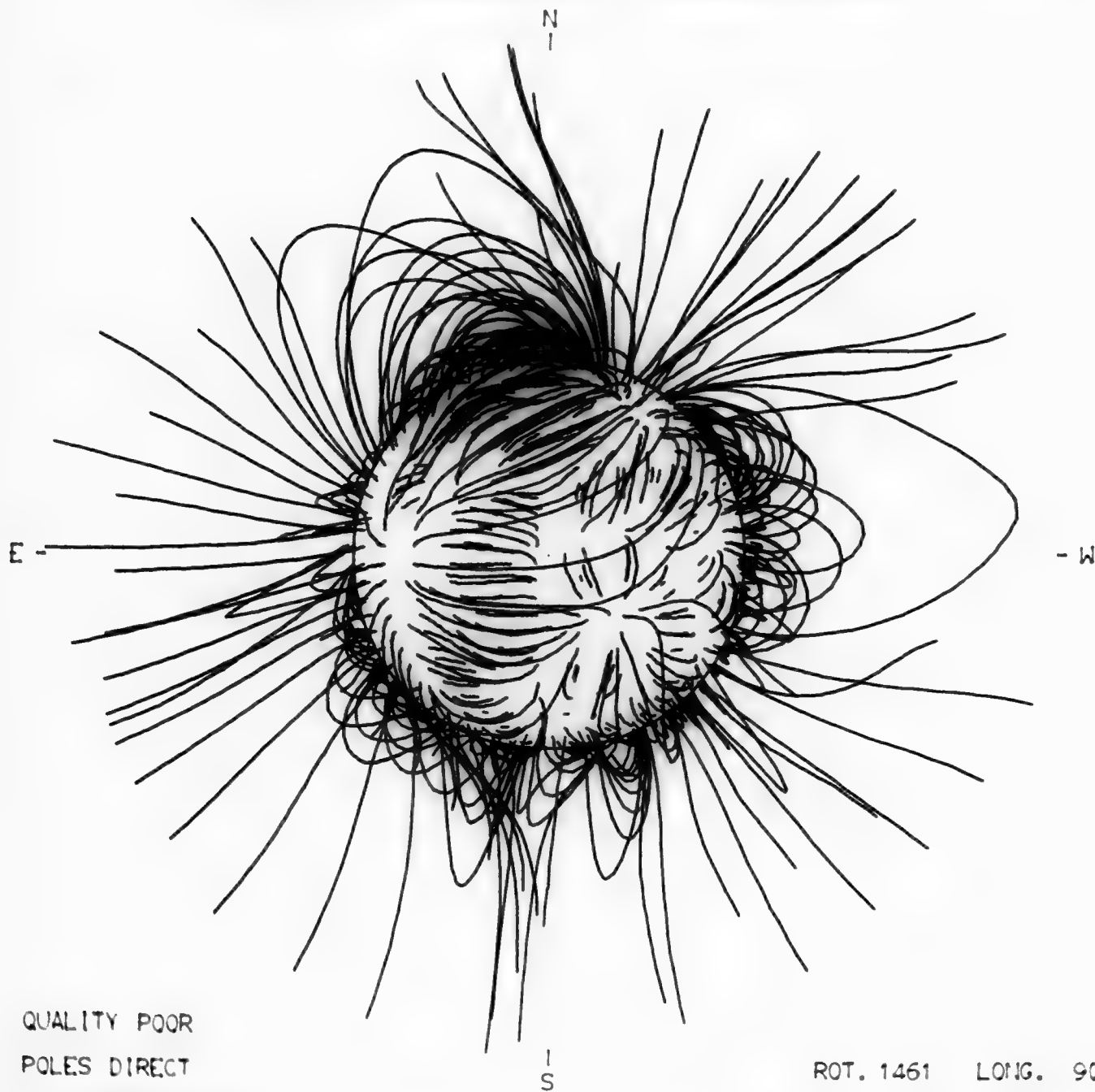
DATA WINDOW 1461.19

I
S

ROT. 1461 LONG. 100°

10.4 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

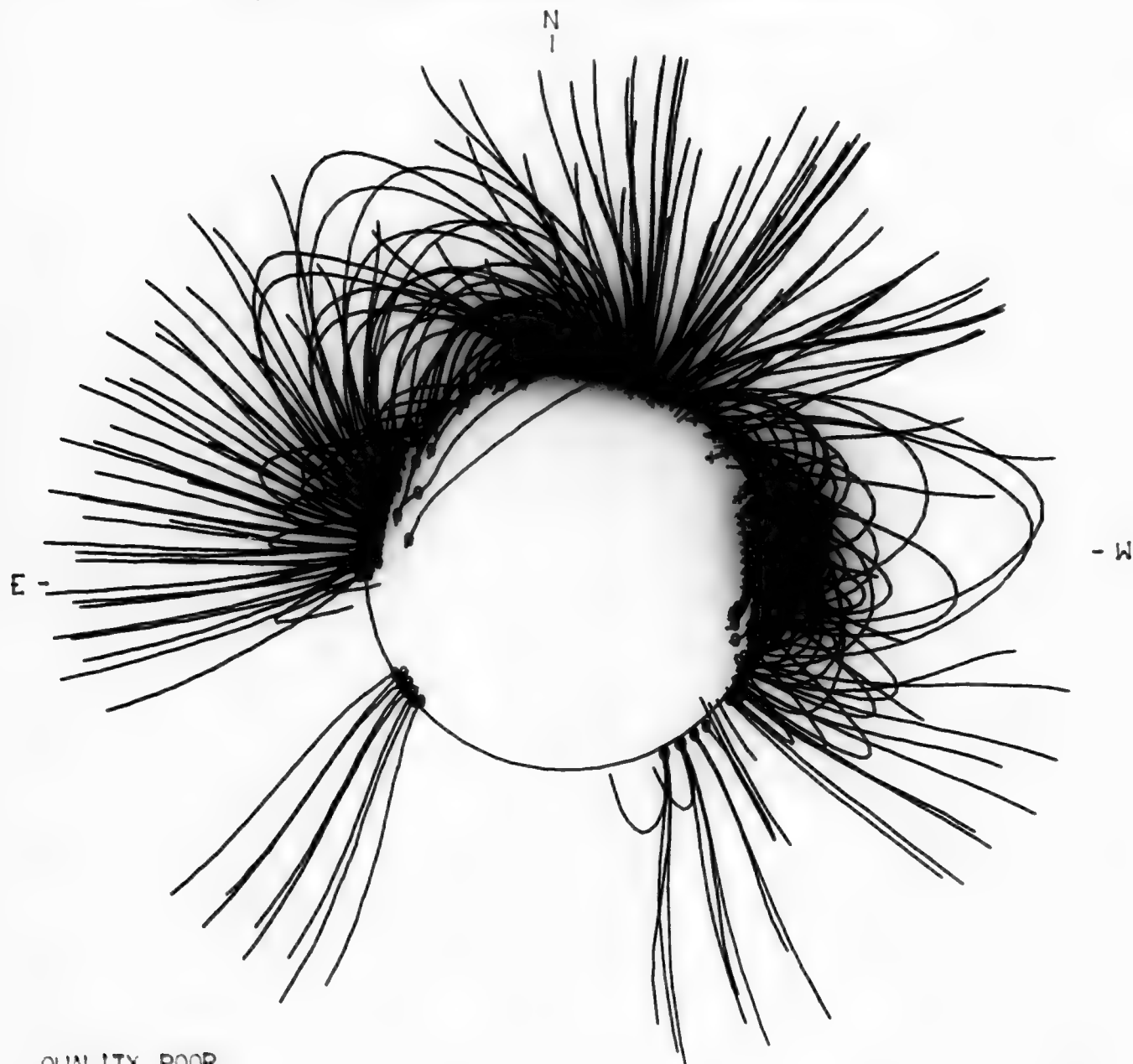
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 90°

11.2 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

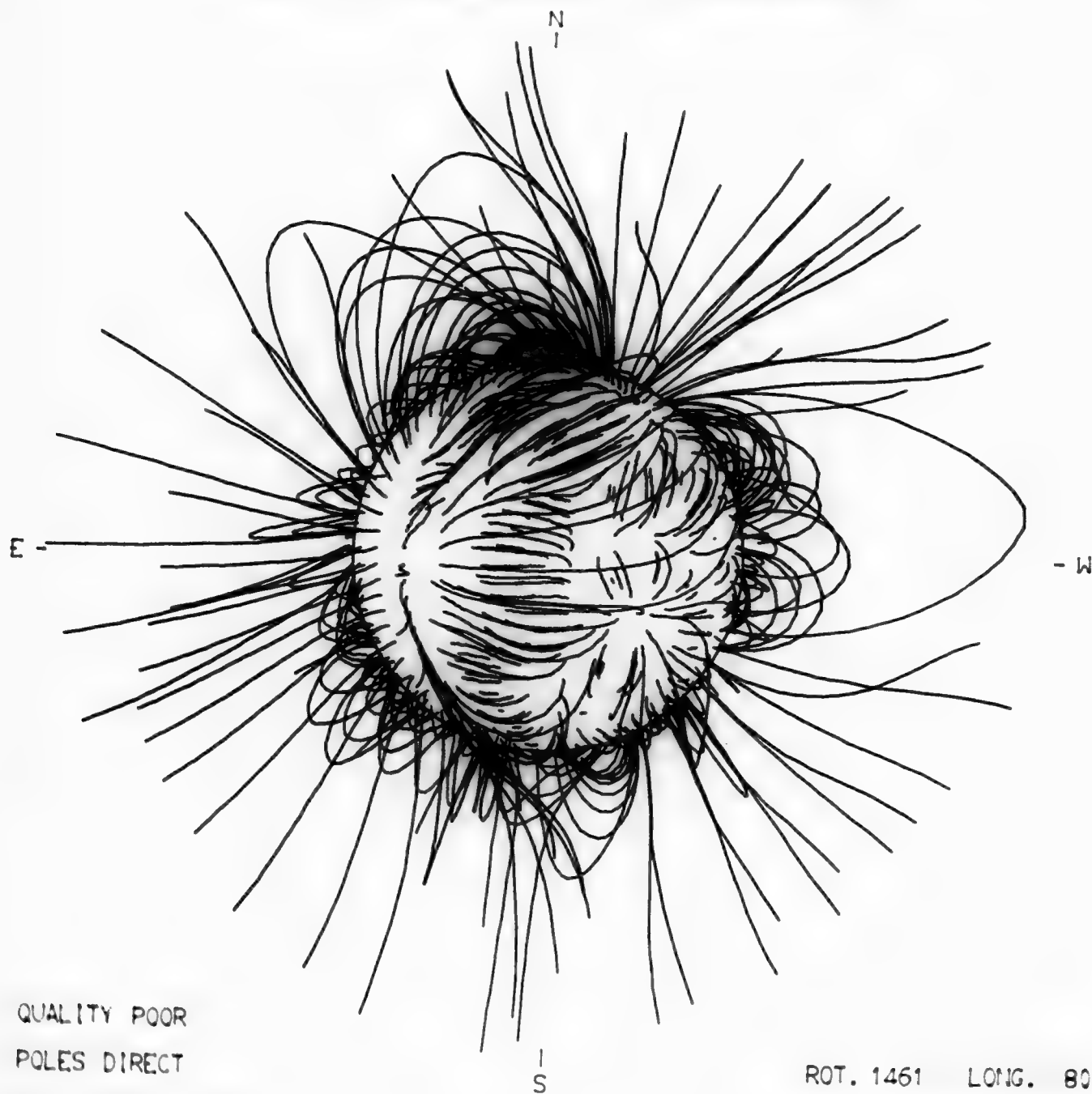


QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

I
S

ROT. 1461 LONG. 90°
11.2 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



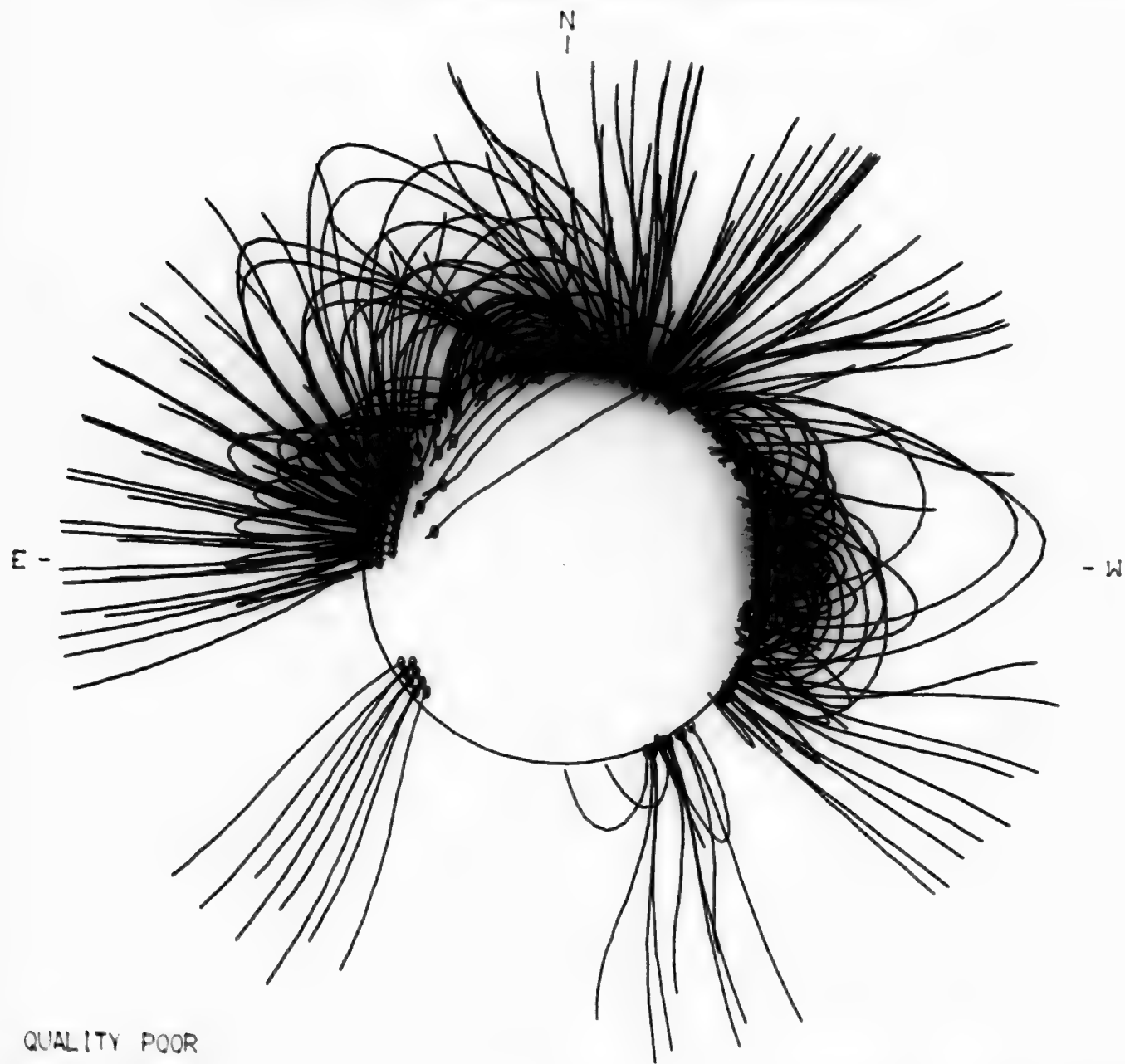
QUALITY POOR

POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 80°
11.9 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

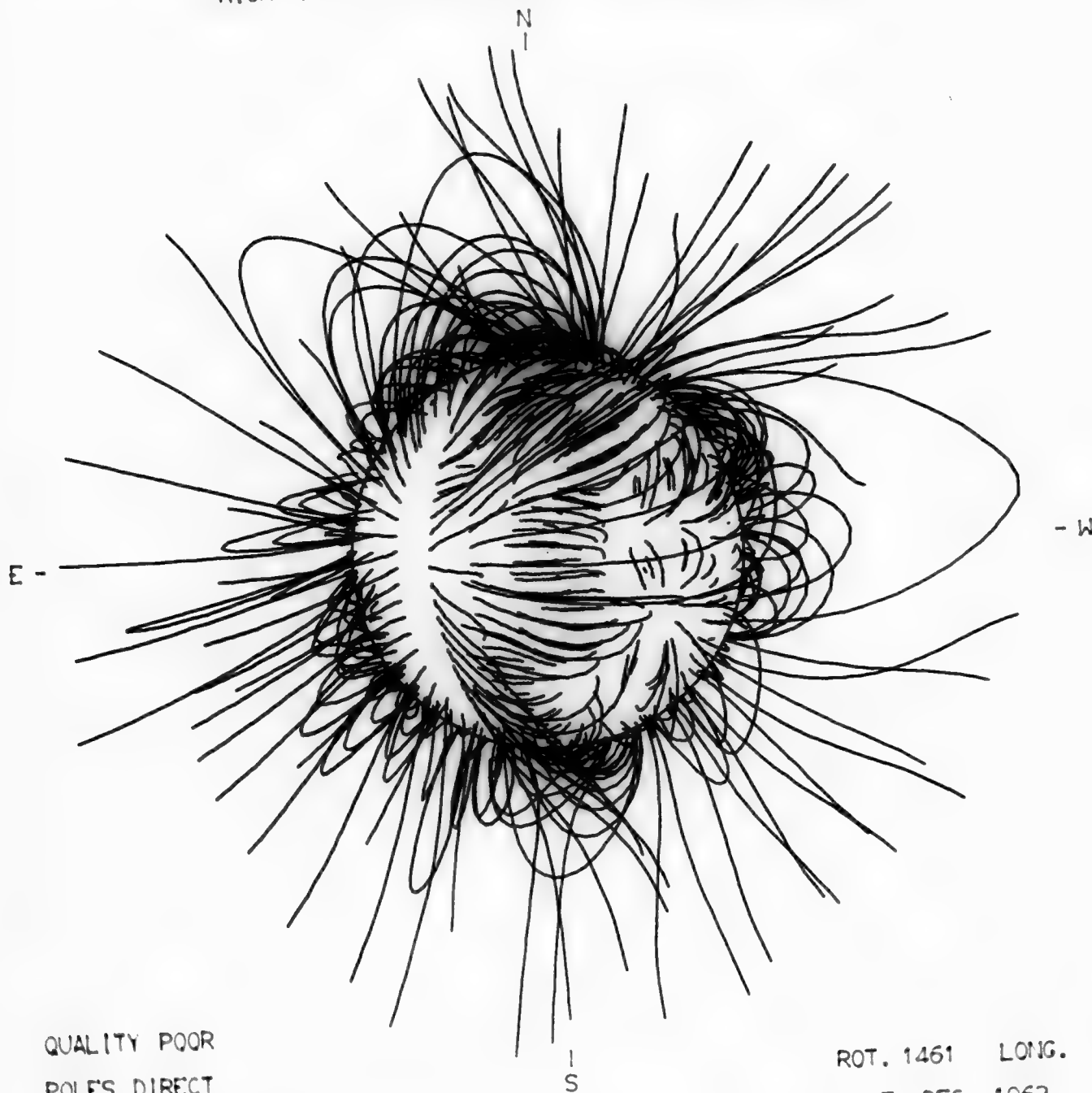
DATA WINDOW 1461.19

I
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ROT. 1461 LONG. 80°

11.9 DEC 1962

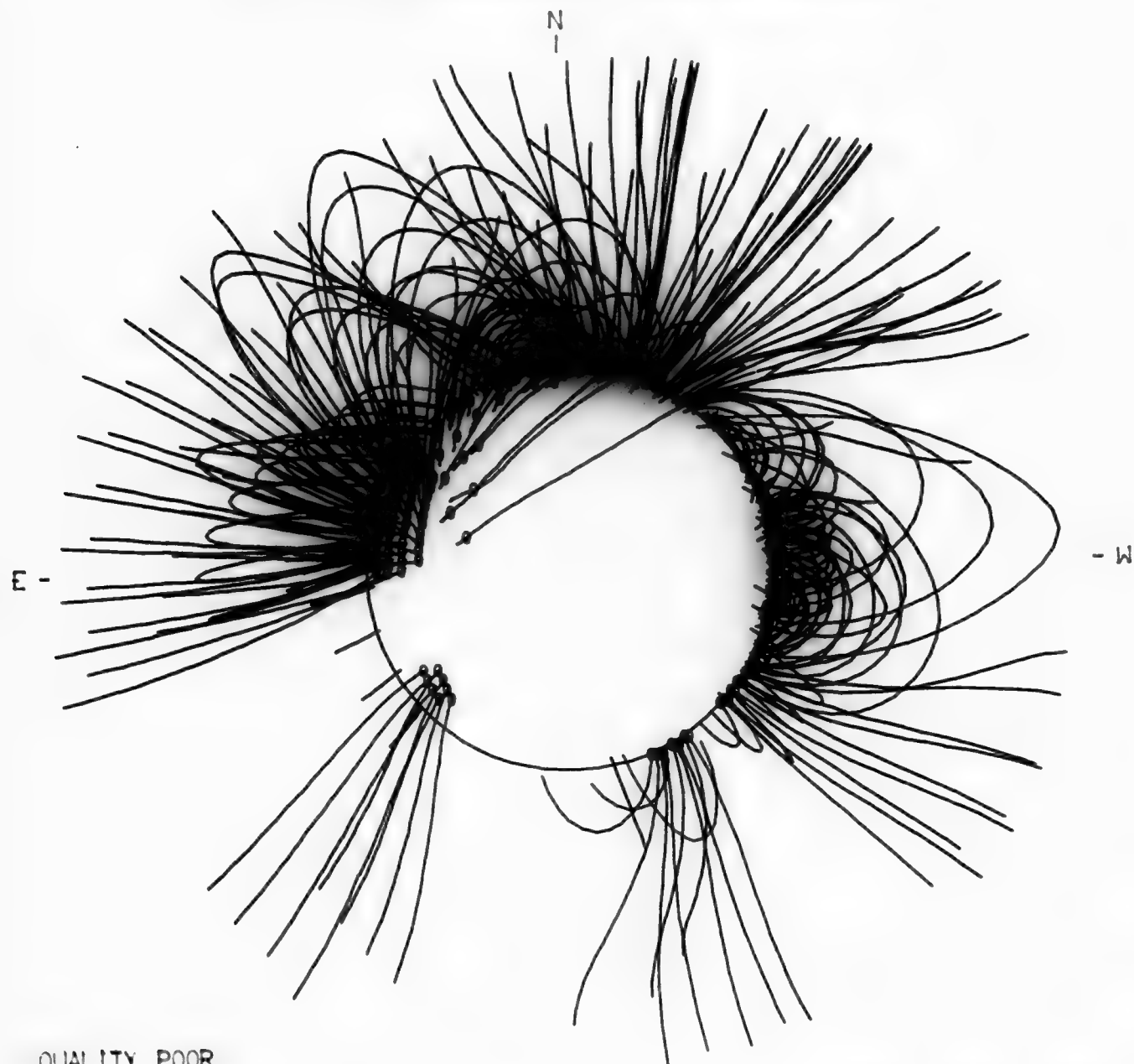
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 70°
12.7 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

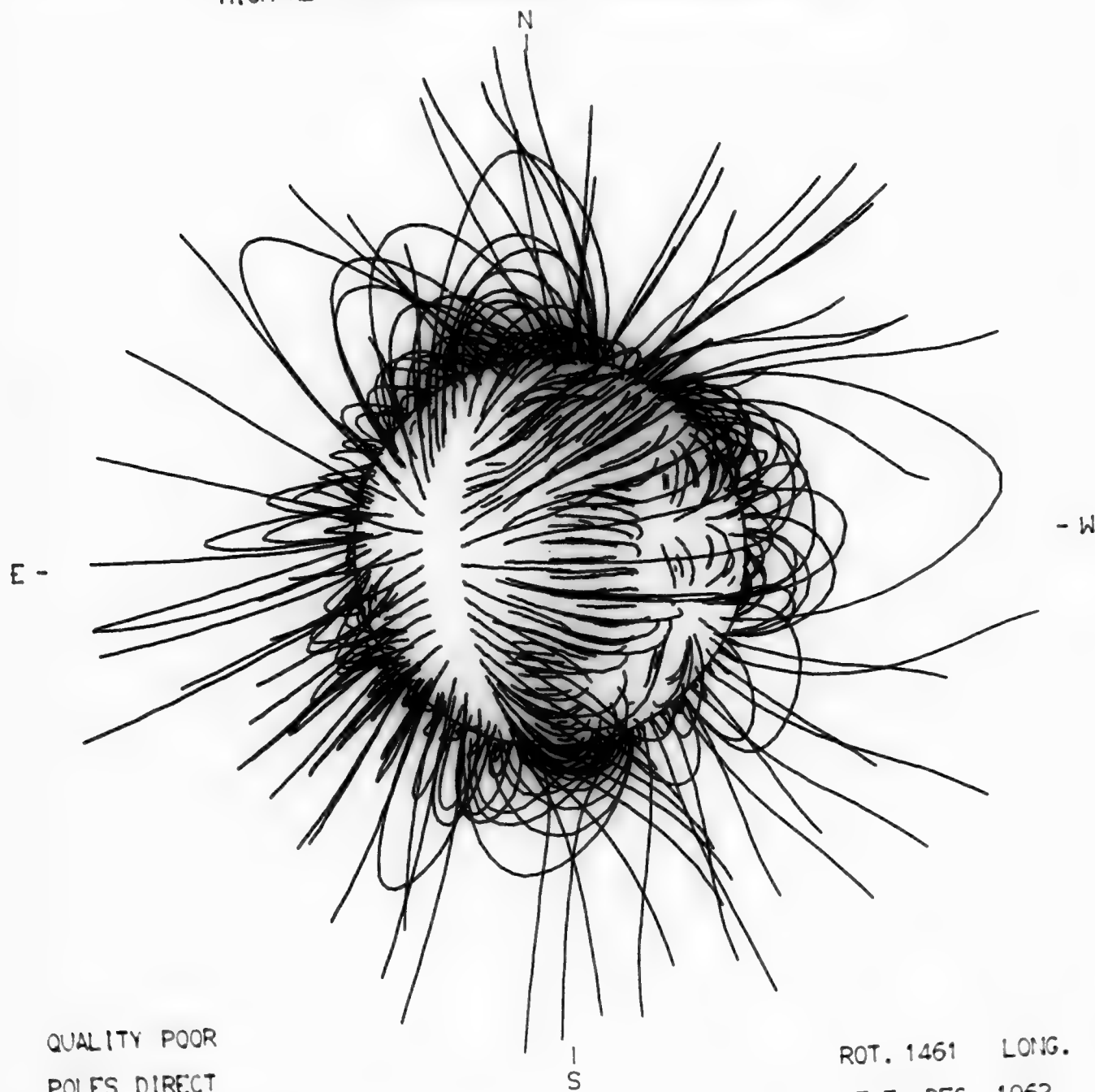


QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

1
S

ROT. 1461 LONG. 70°
12.7 DEC 1962

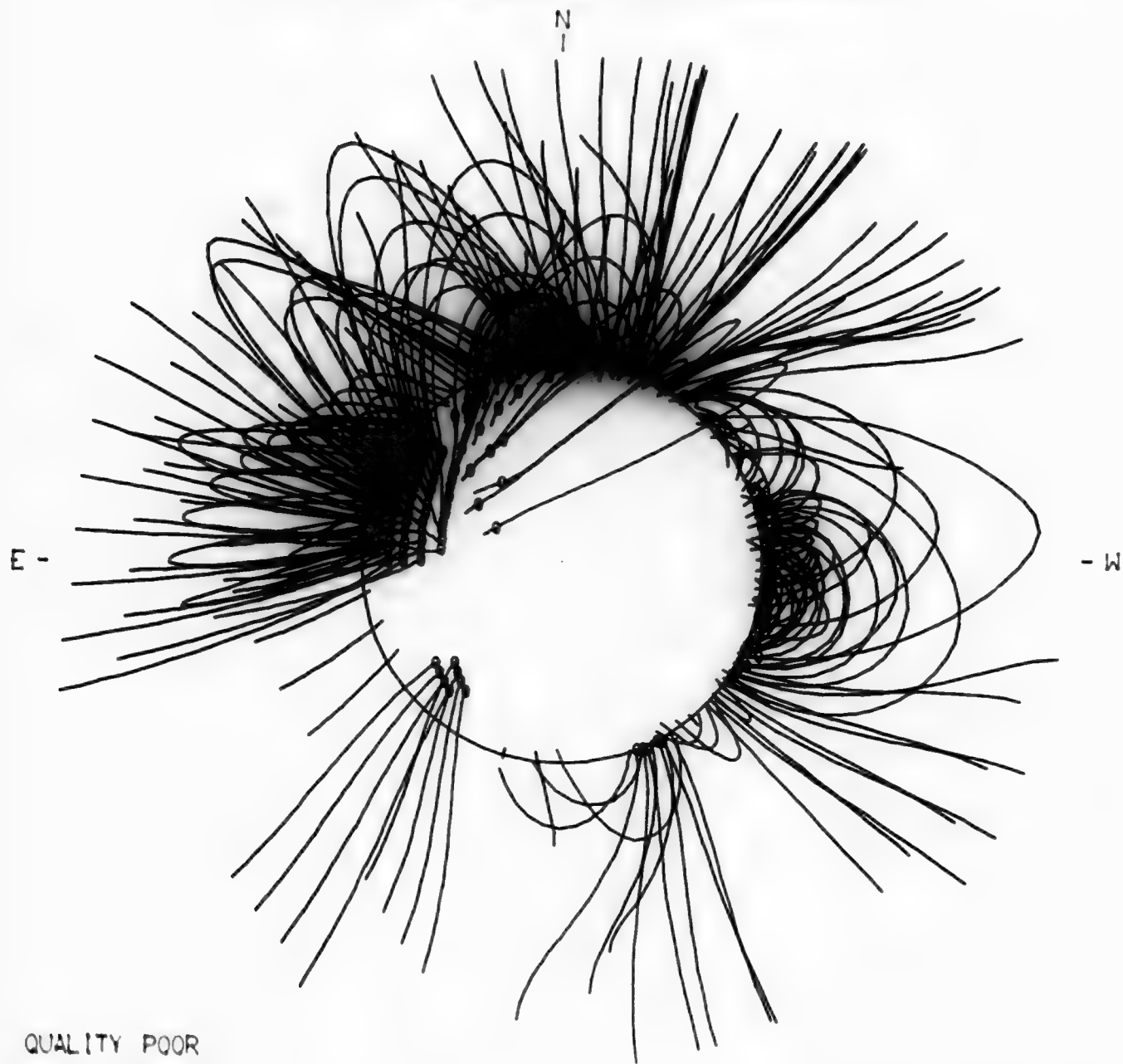
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 60°
13.5 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

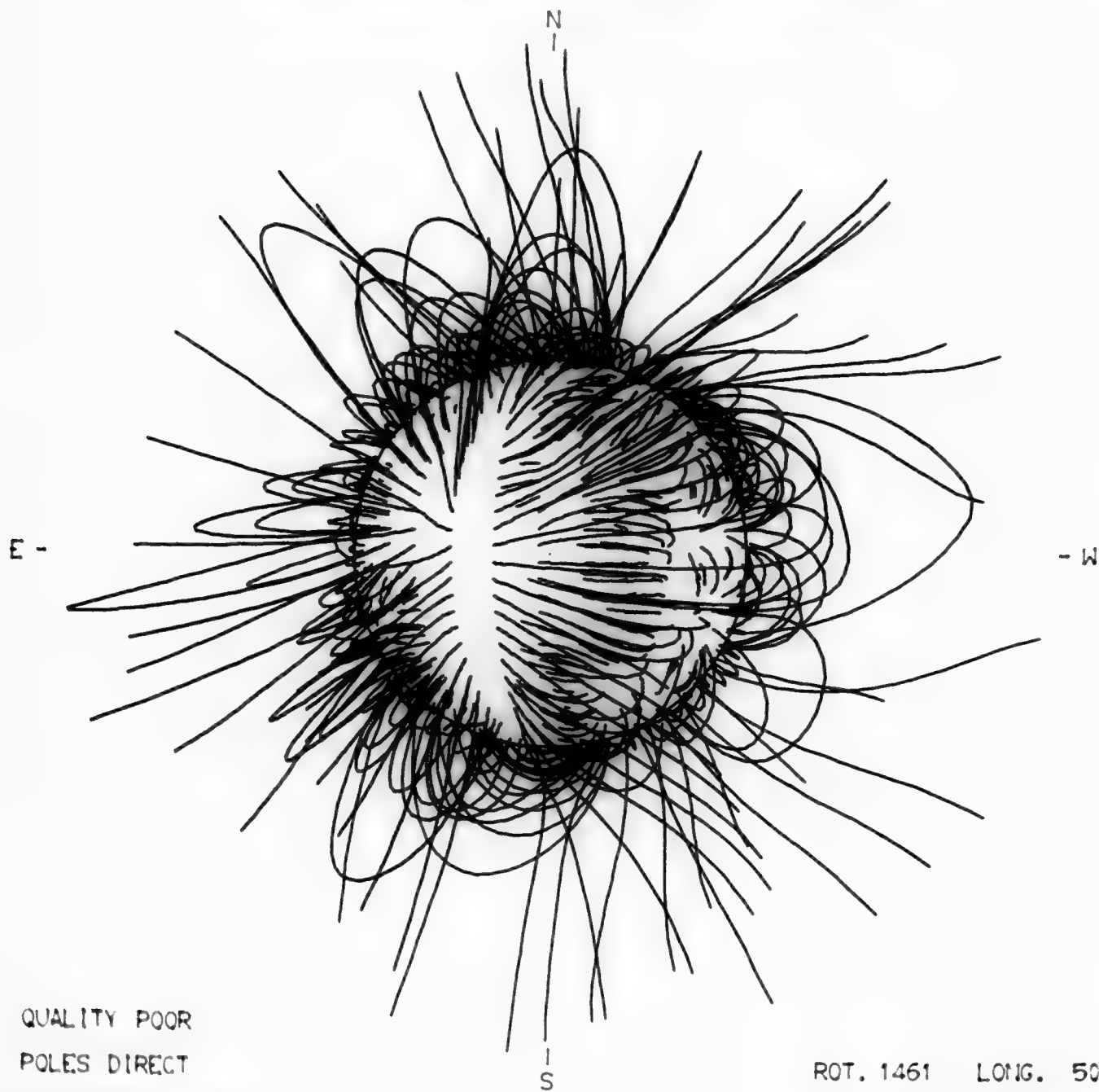
DATA WINDOW 1461.19

I
S

ROT. 1461 LONG. 60°

13.5 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

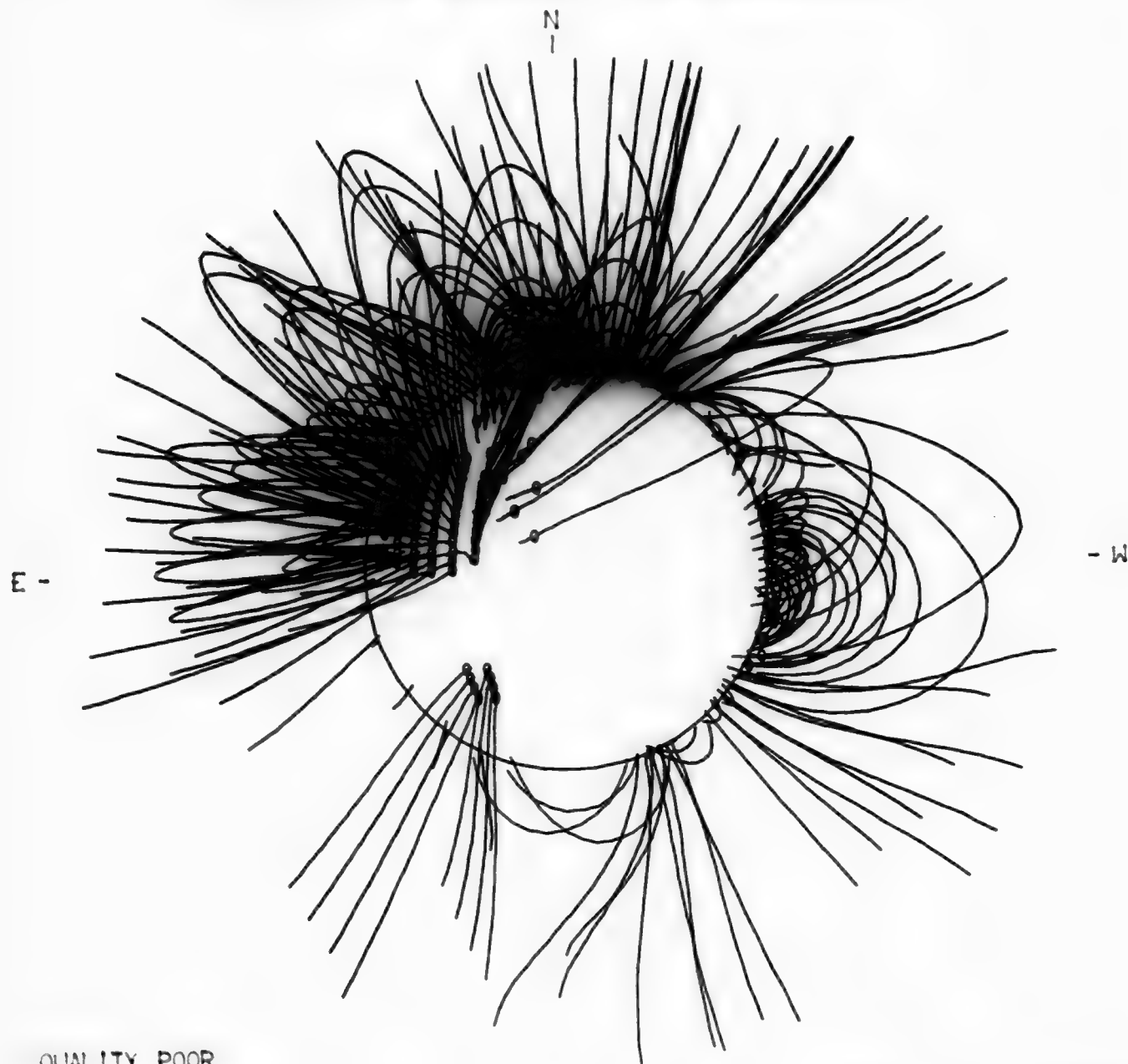
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 50°

14.2 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

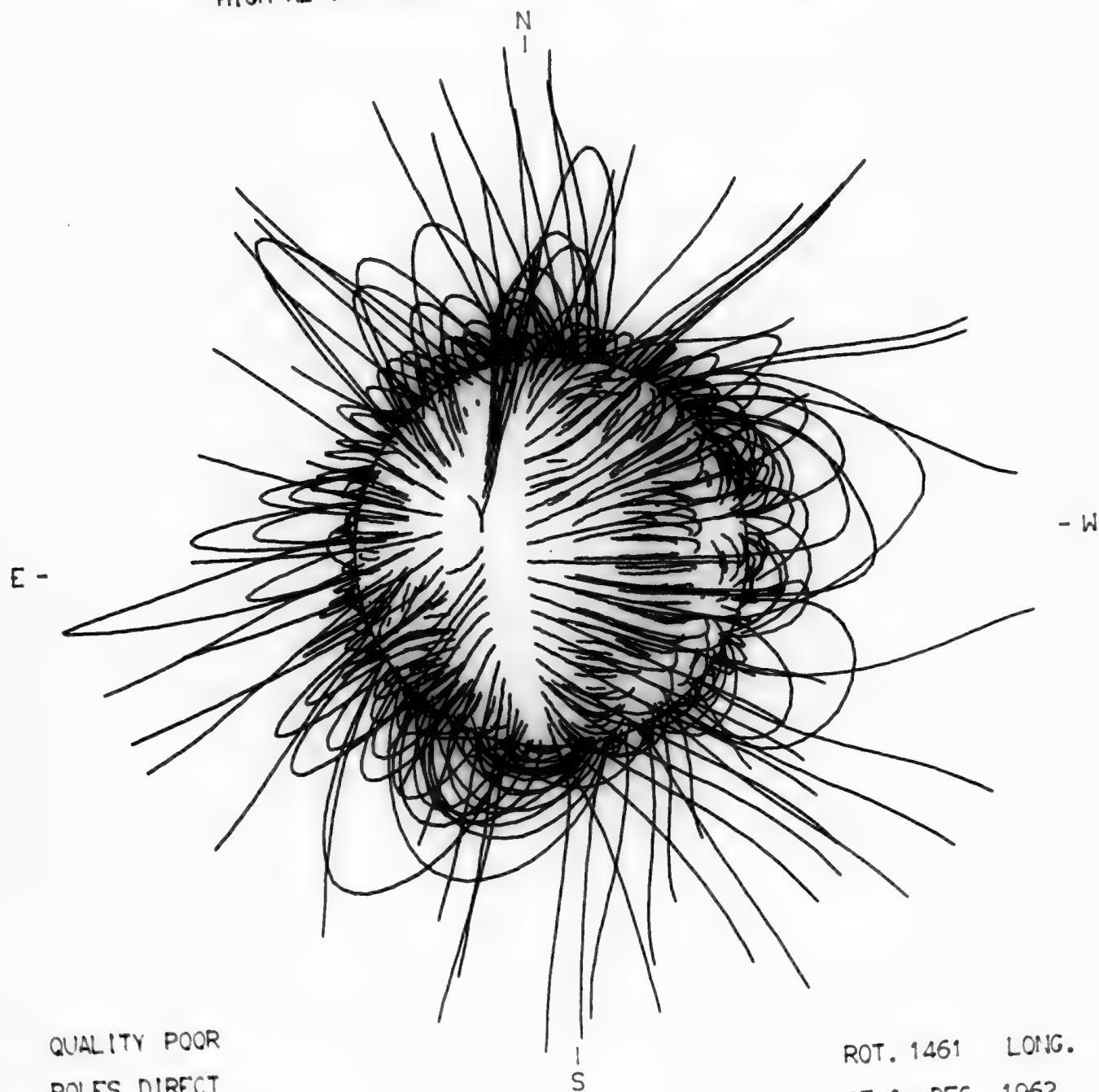


QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

I
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ROT. 1461 LONG. 50°
14.2 DEC 1962

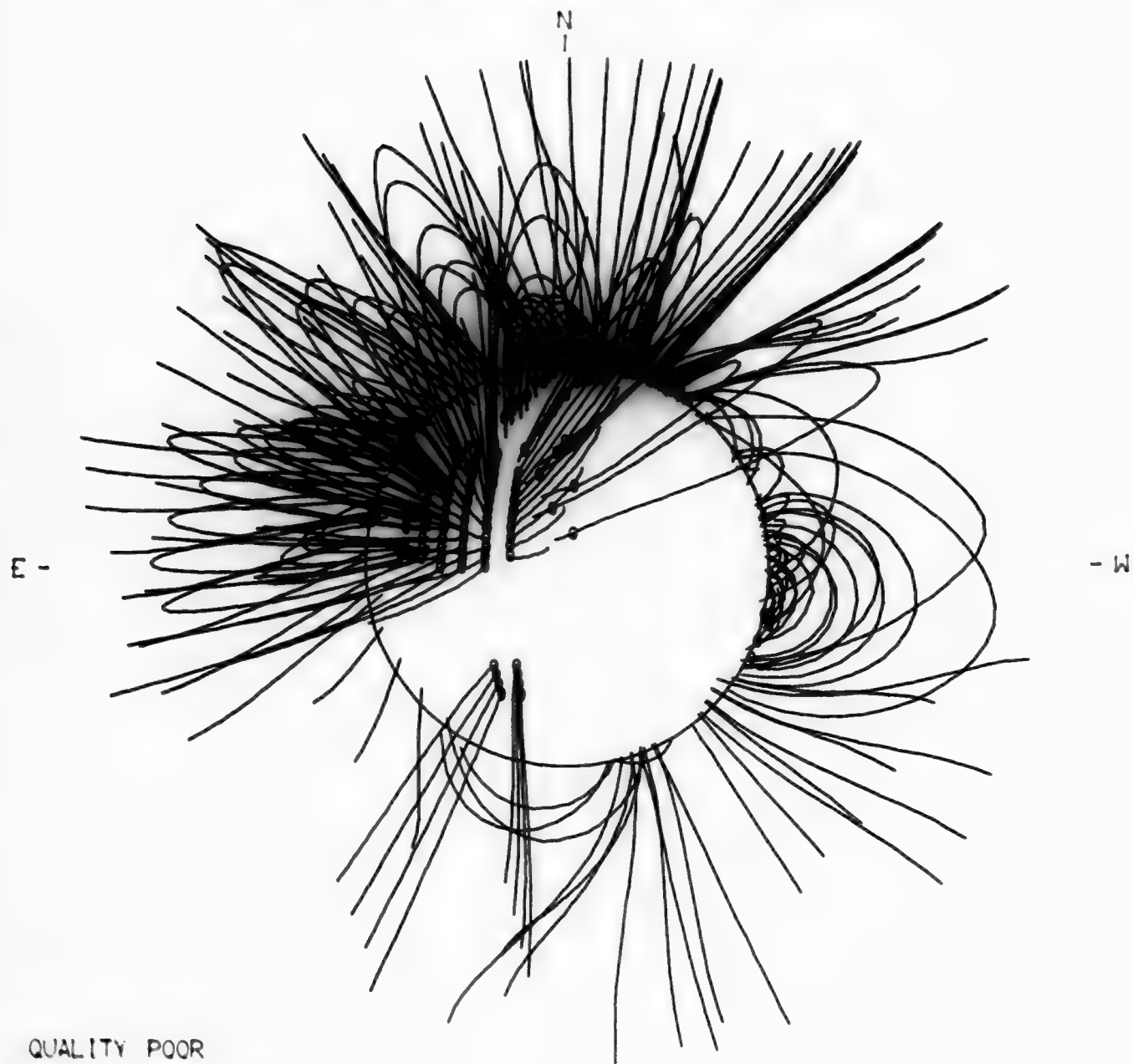
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 40°
15.0 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

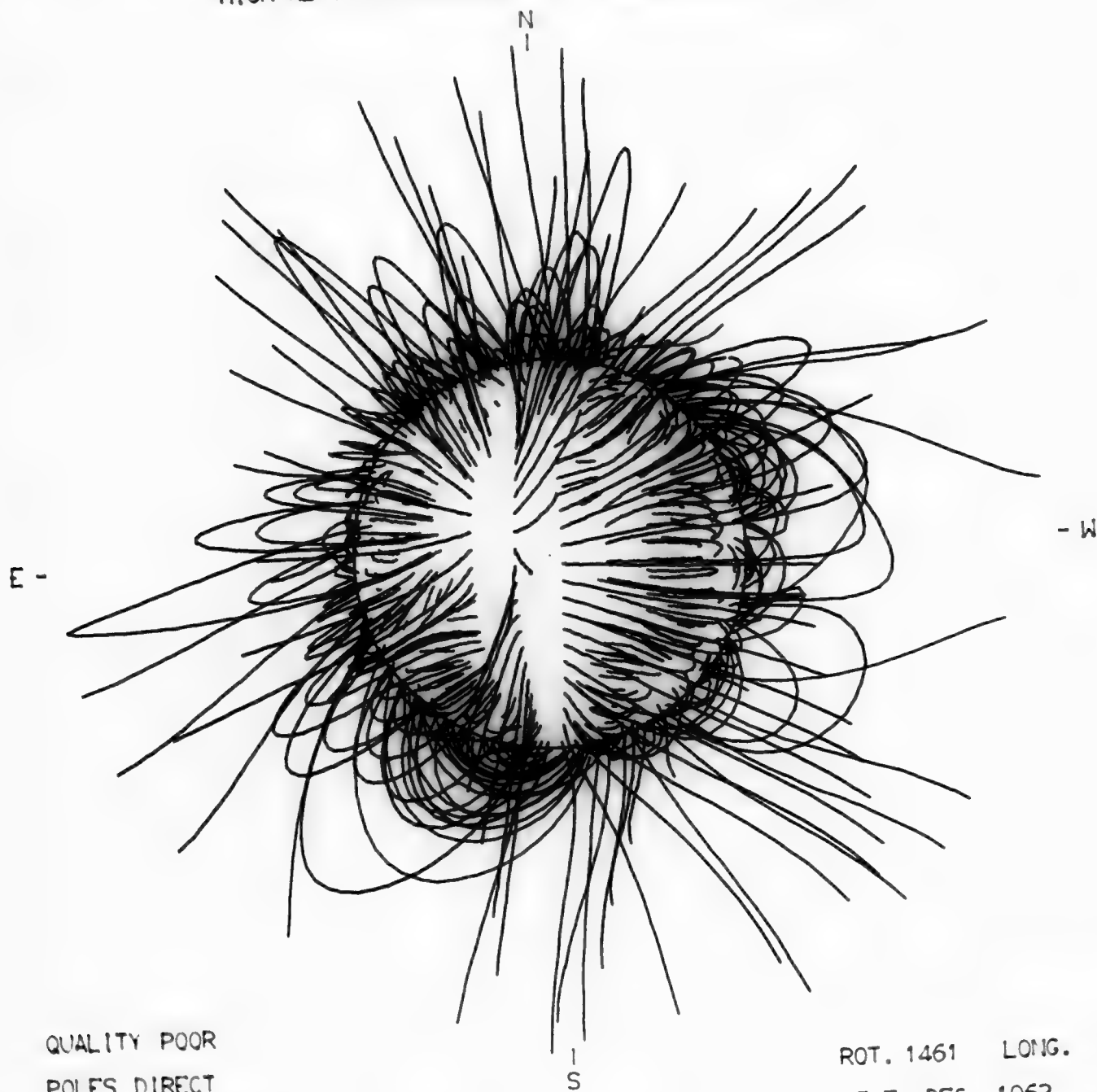
DATA WINDOW 1461.19

! S

ROT. 1461 LONG. 40°

15.0 DEC 1962

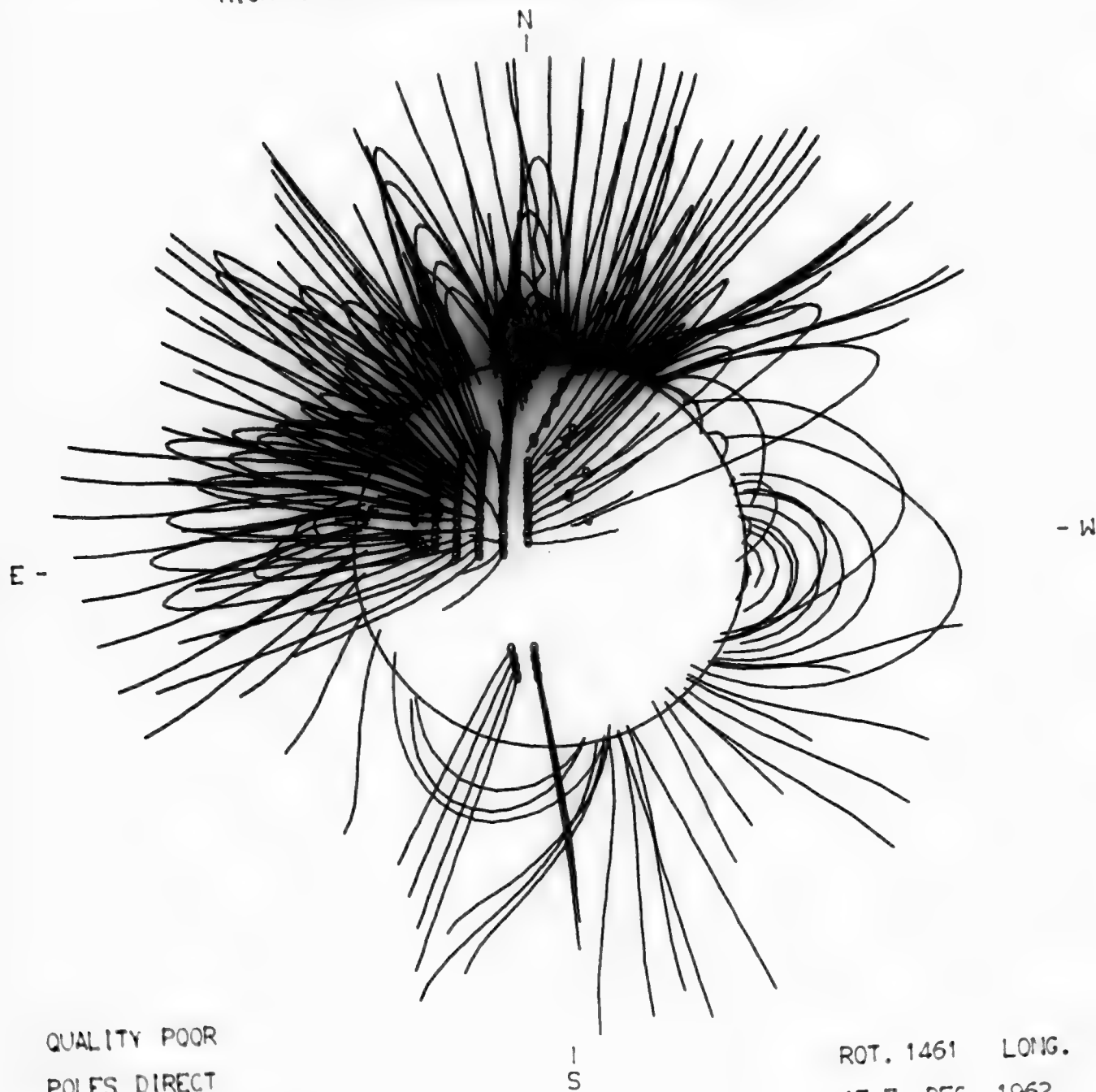
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 30°
15.7 DEC 1962

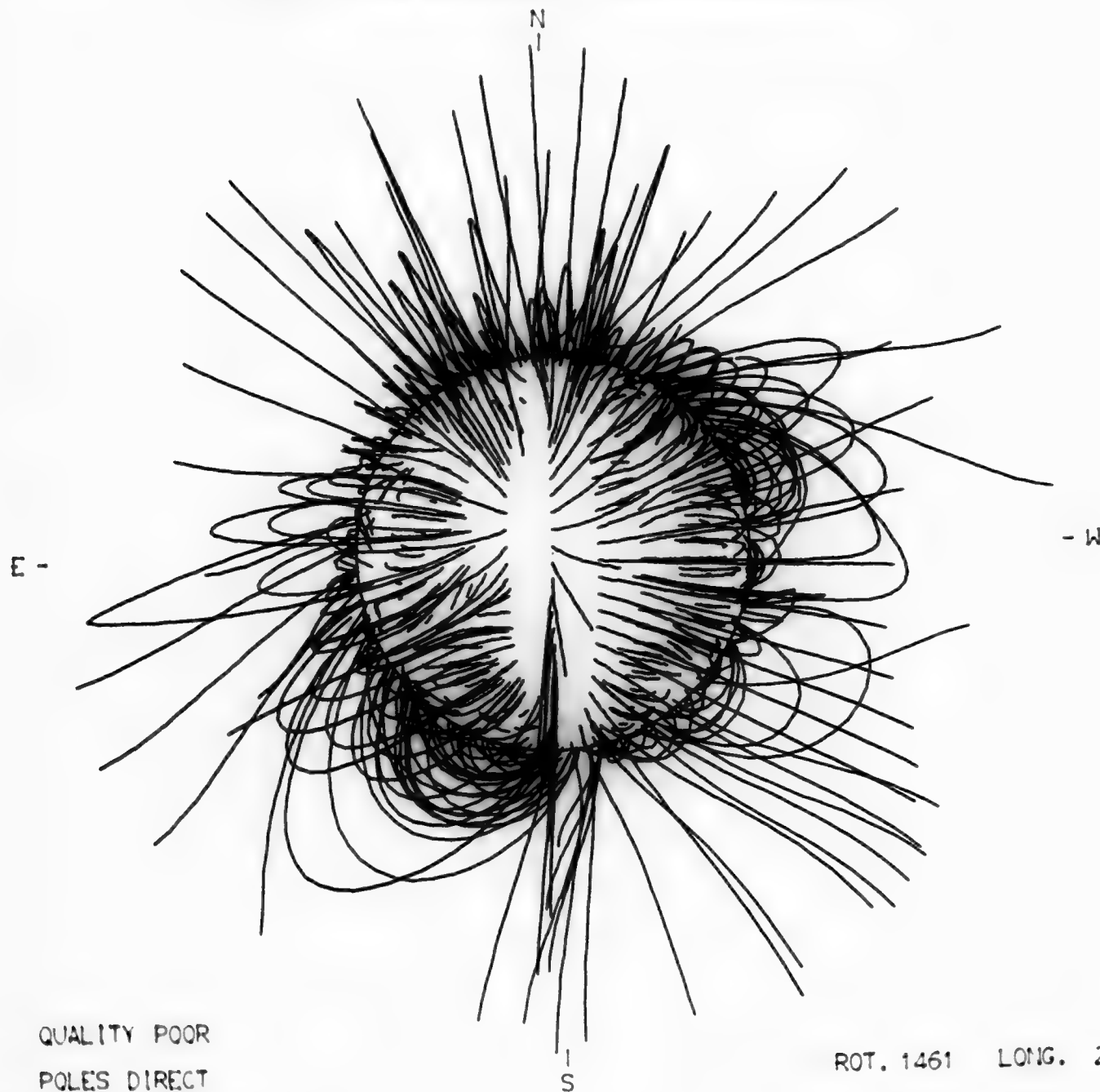
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 30°
15.7 DEC 1962

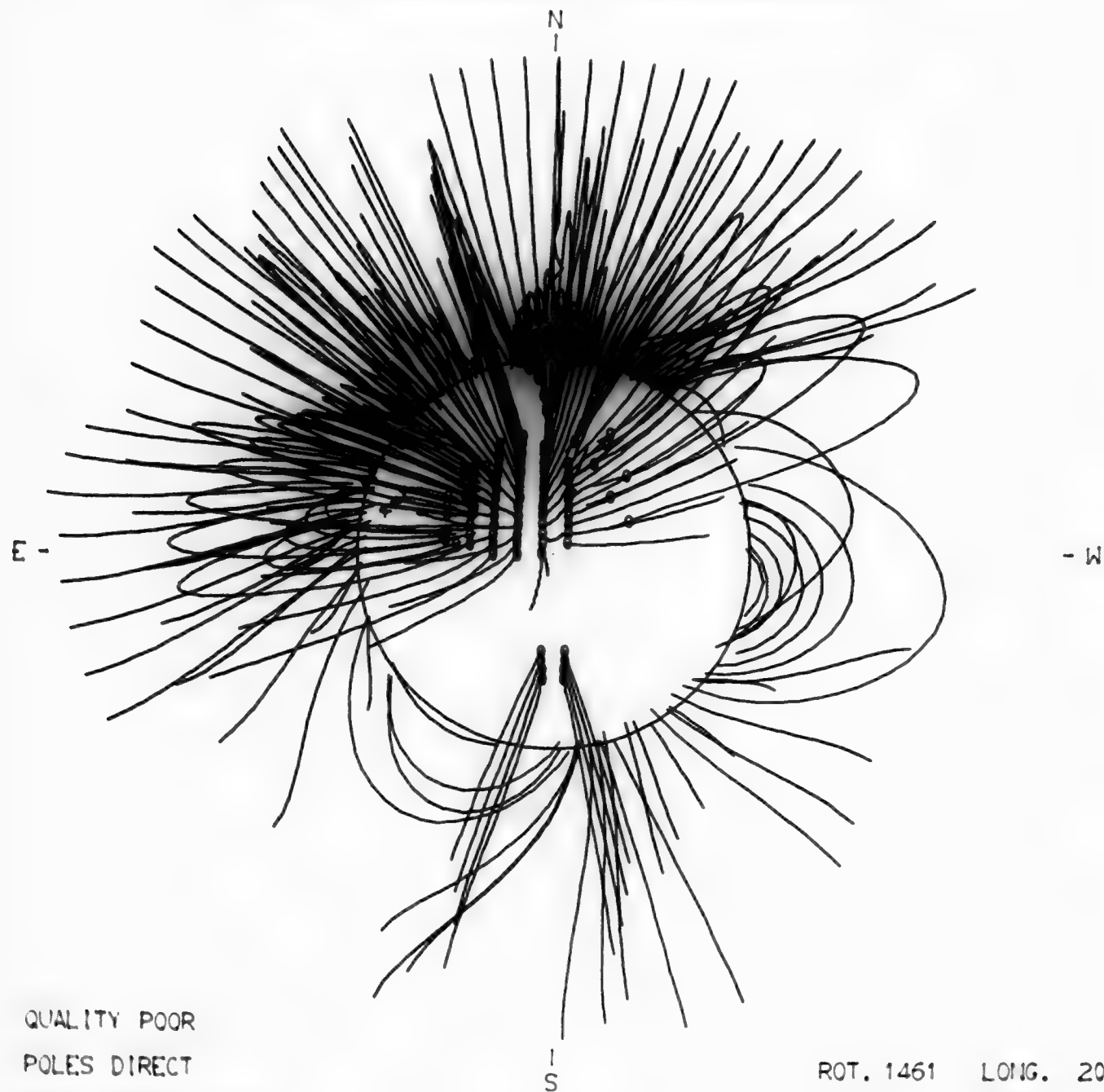
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 20°
16.5 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

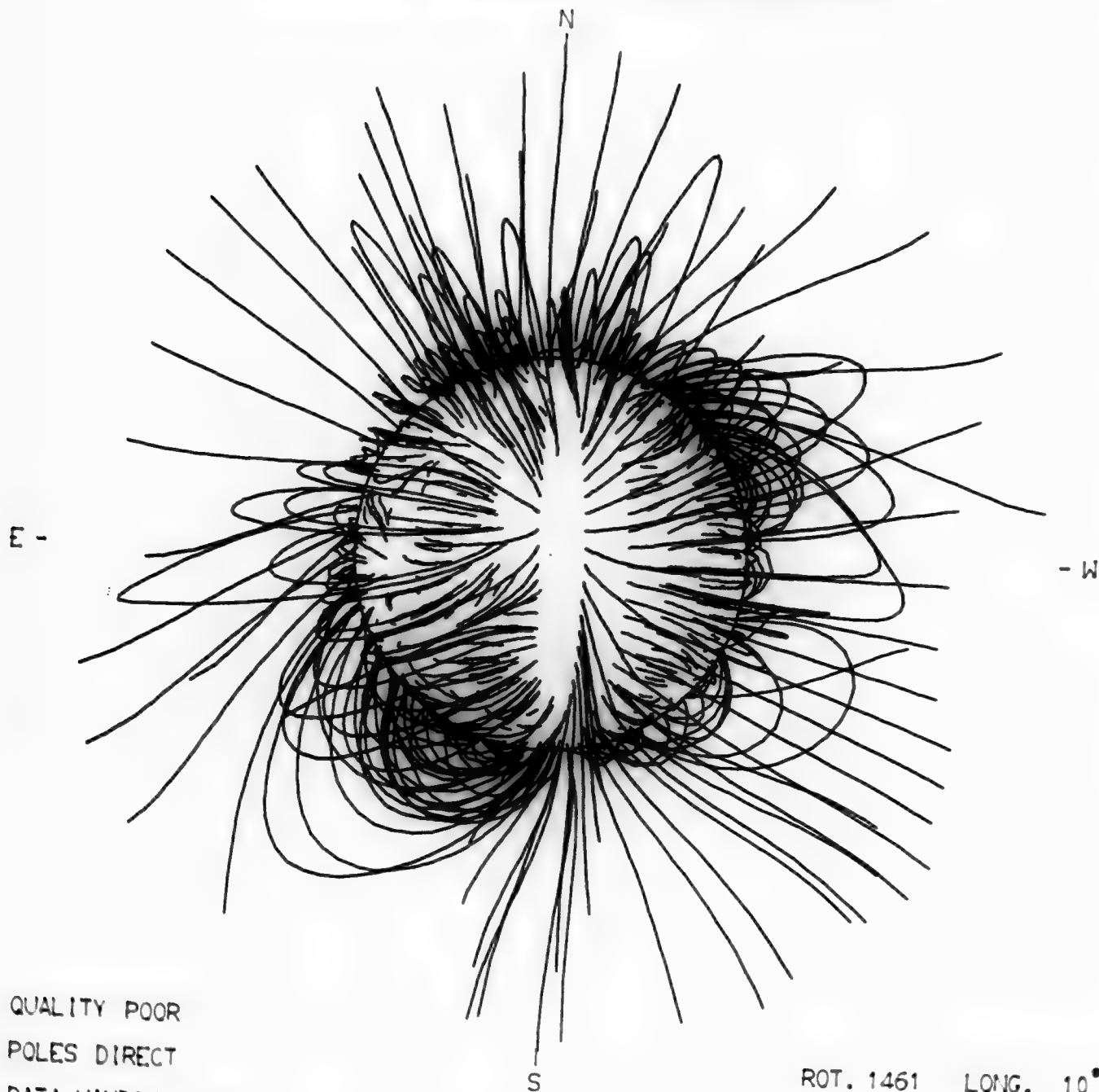
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 20°

16.5 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

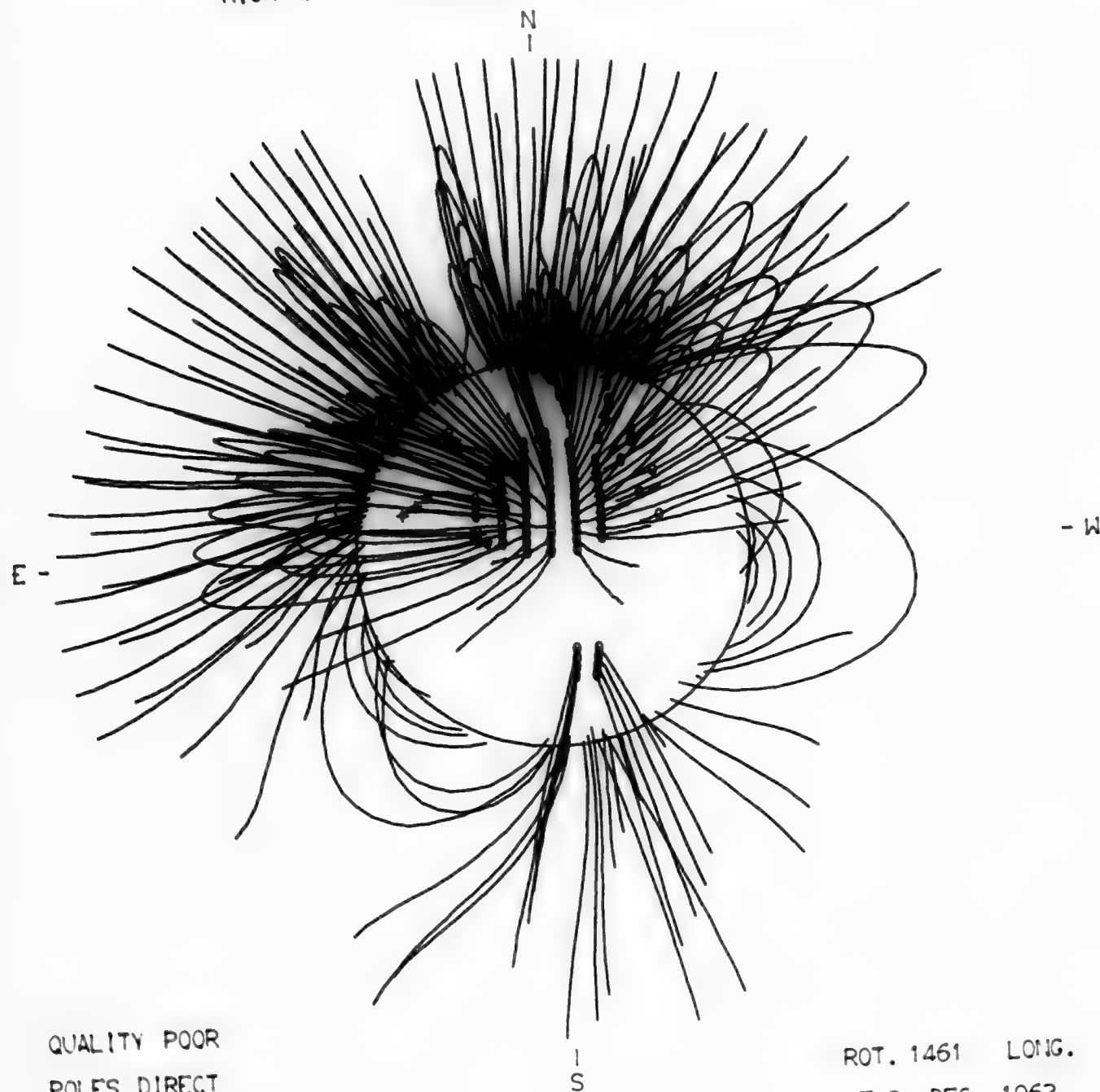
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 10°

17.2 DEC 1962

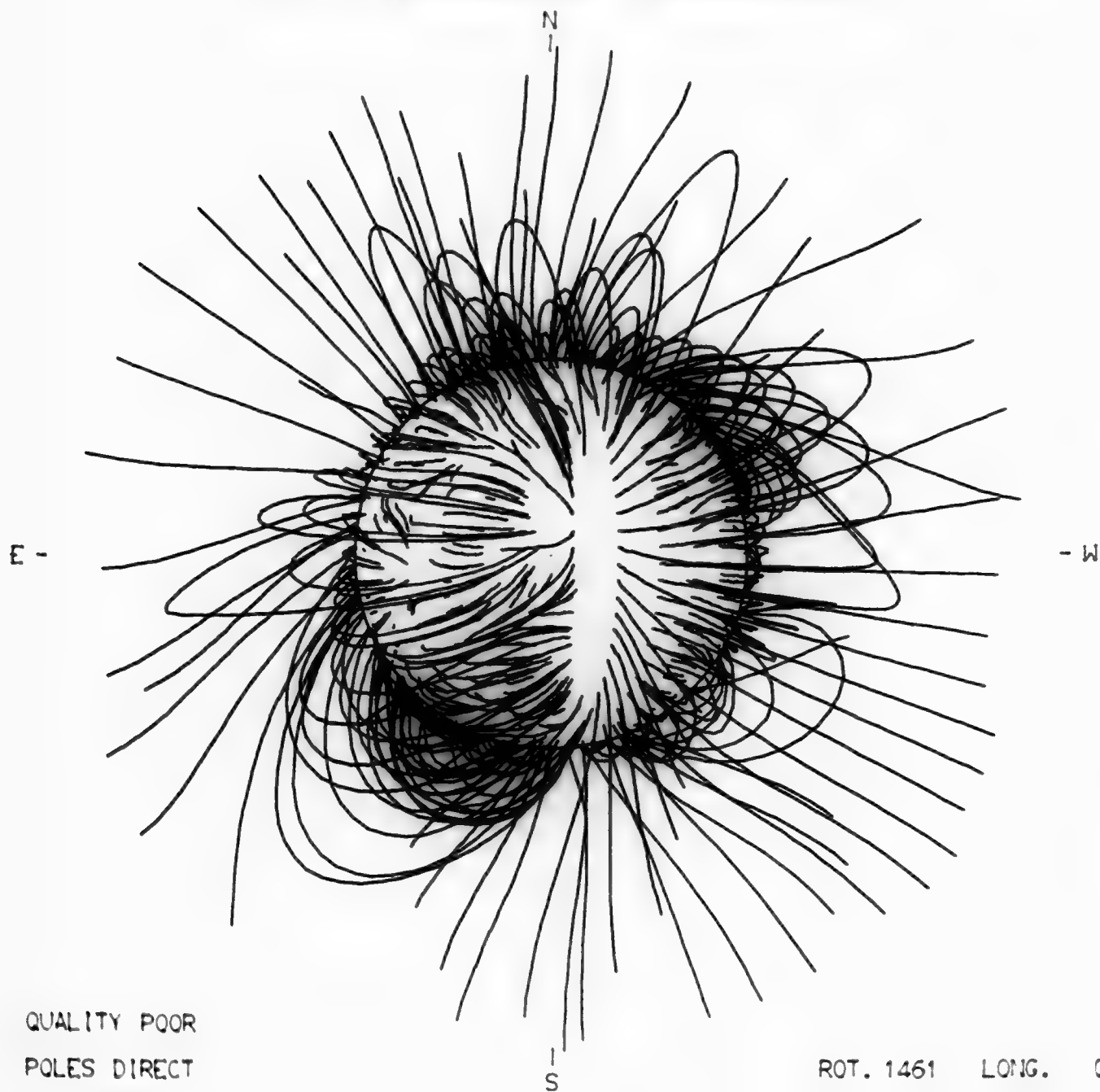
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1461 LONG. 10°
17.2 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

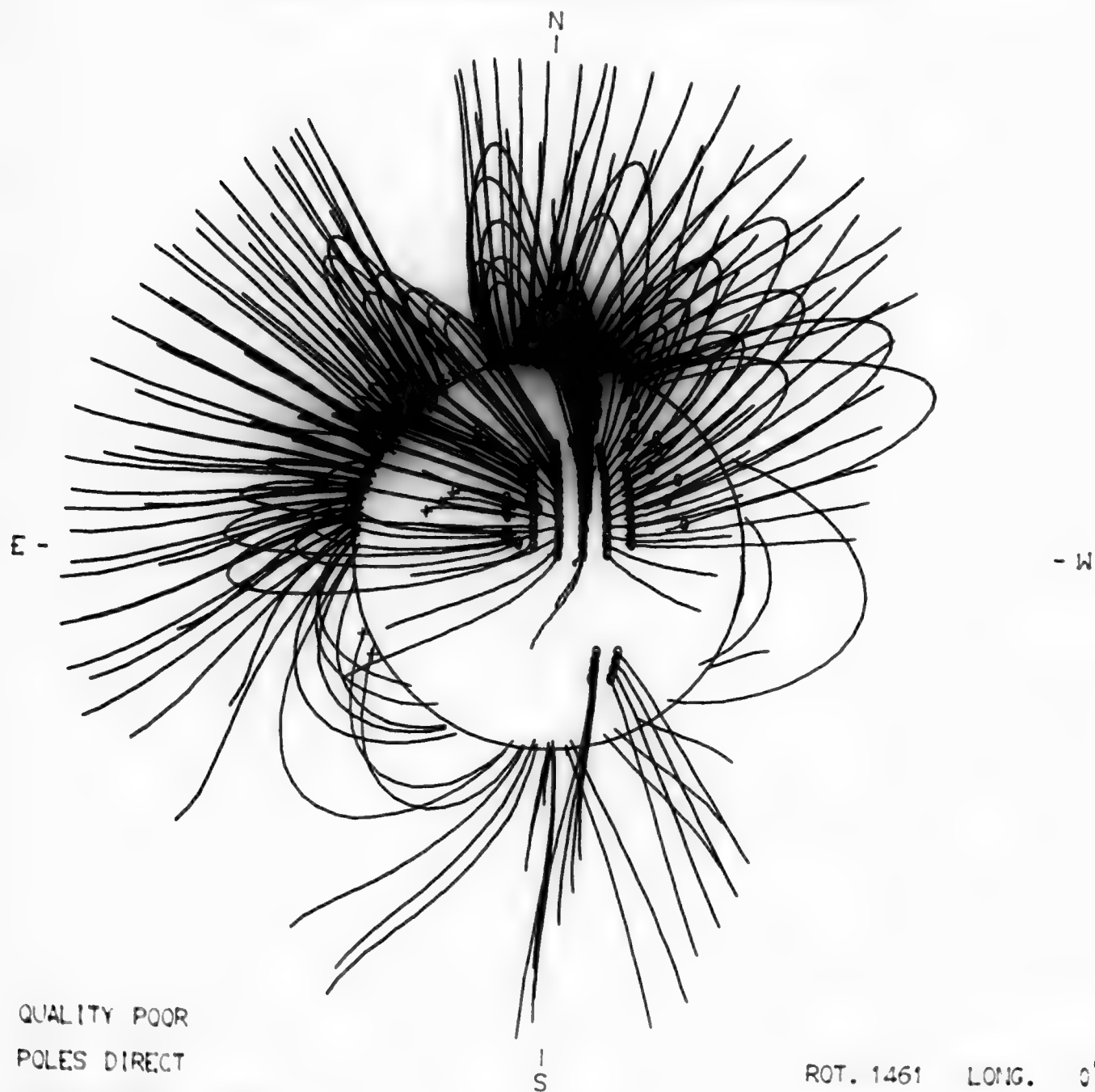
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 0°

18.0 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

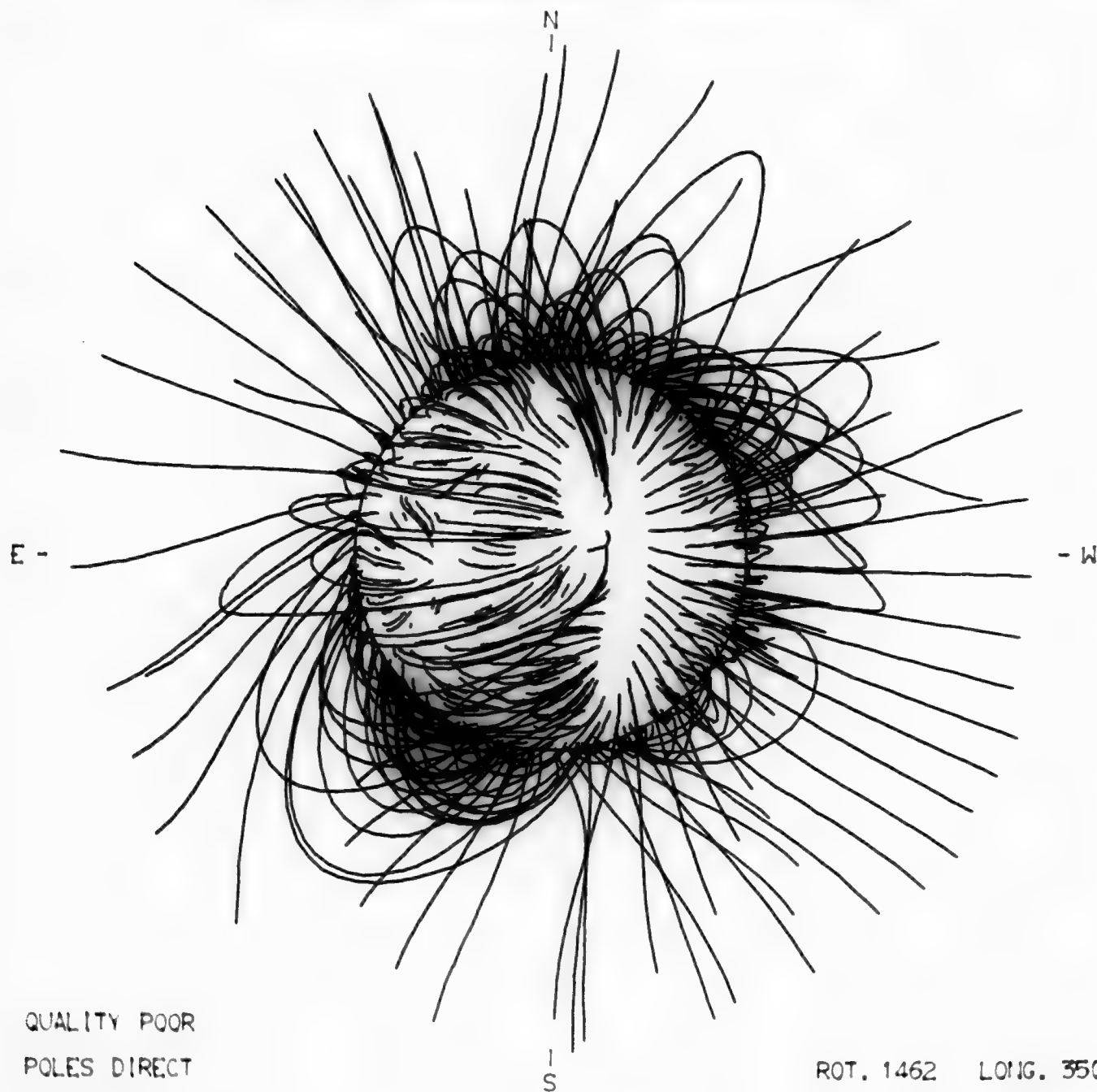
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1461 LONG. 0°

18.0 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

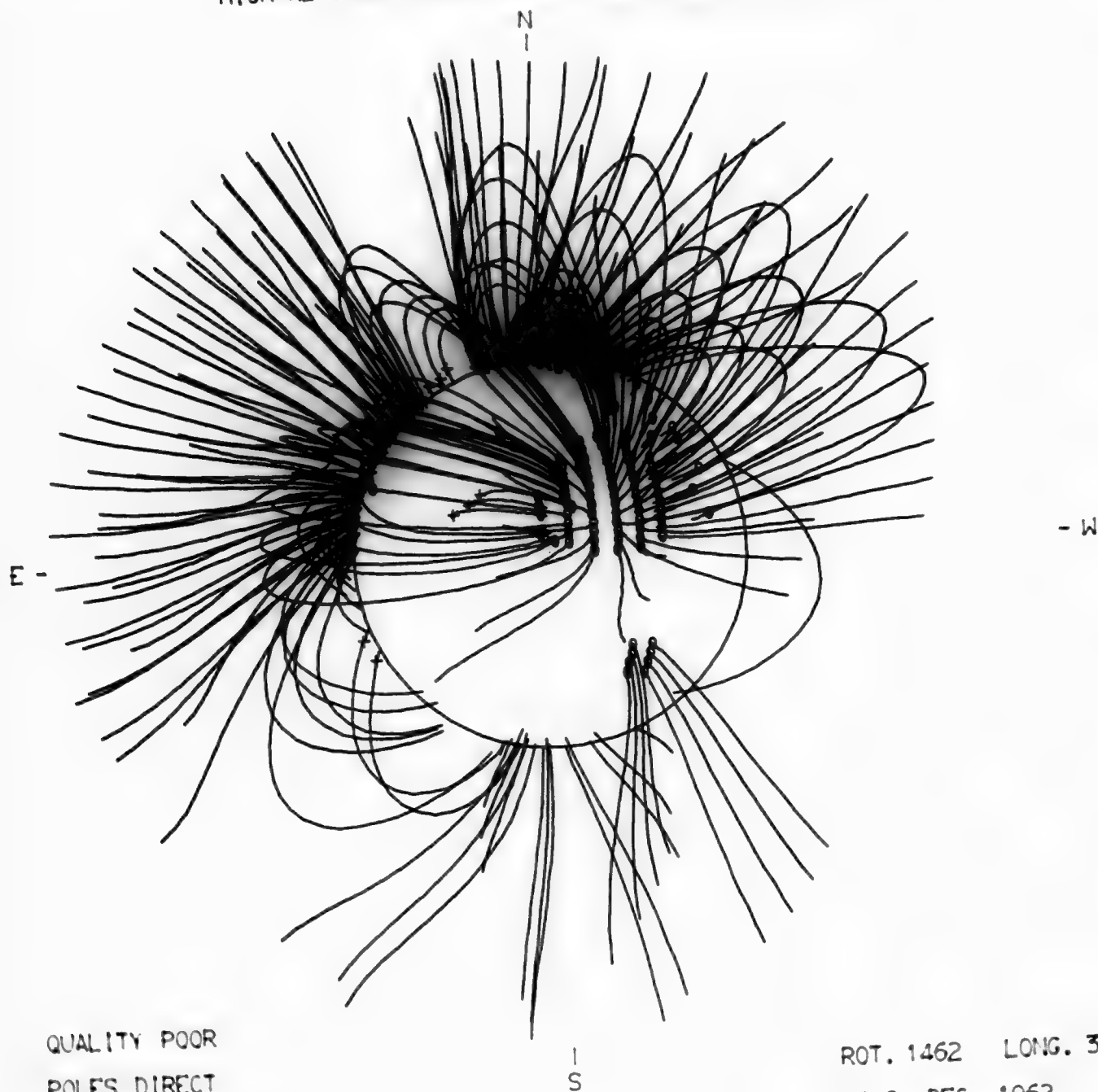
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1462 LONG. 350°

18.8 DEC 1962

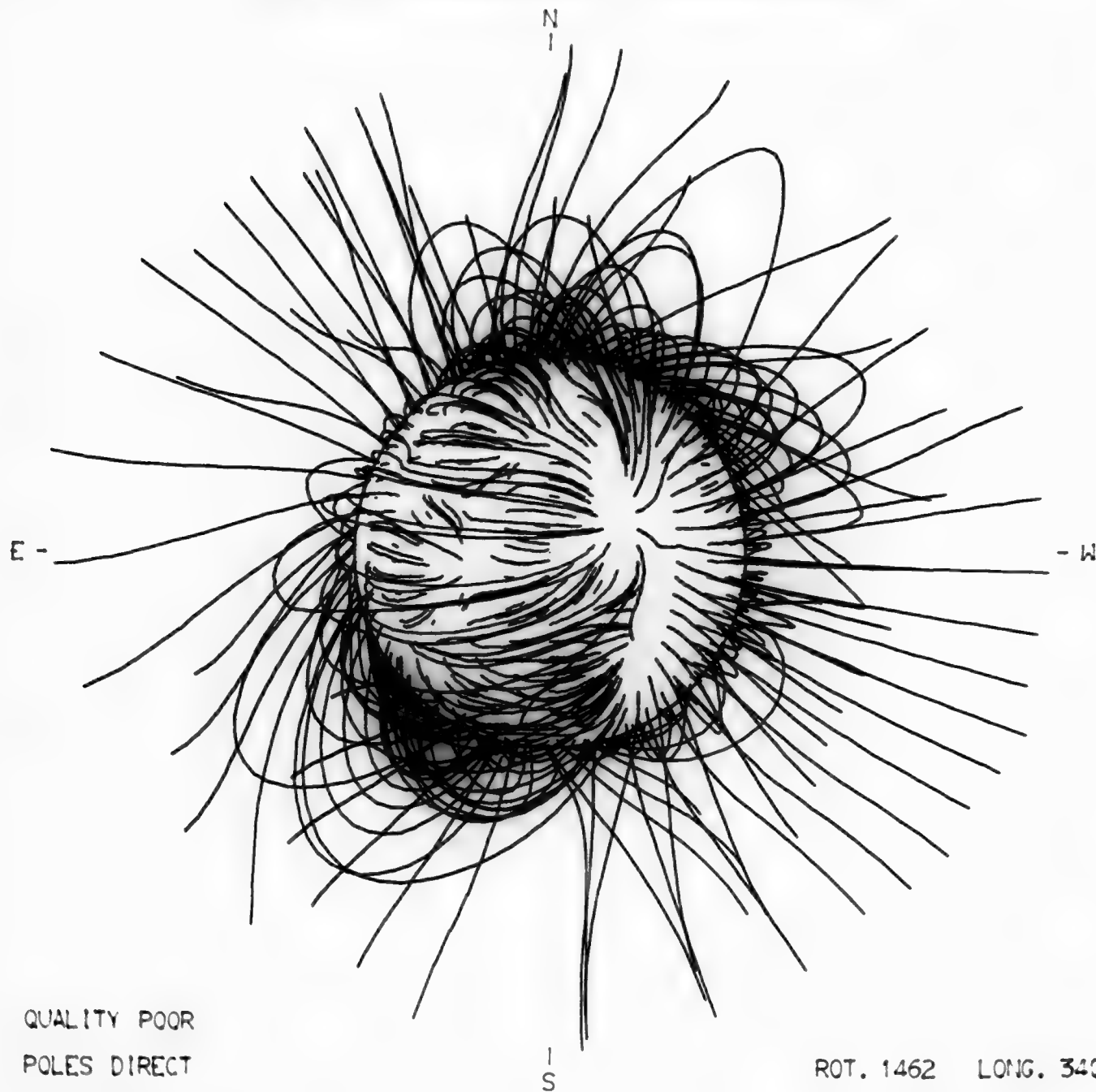
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1462 LONG. 350°
18.8 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

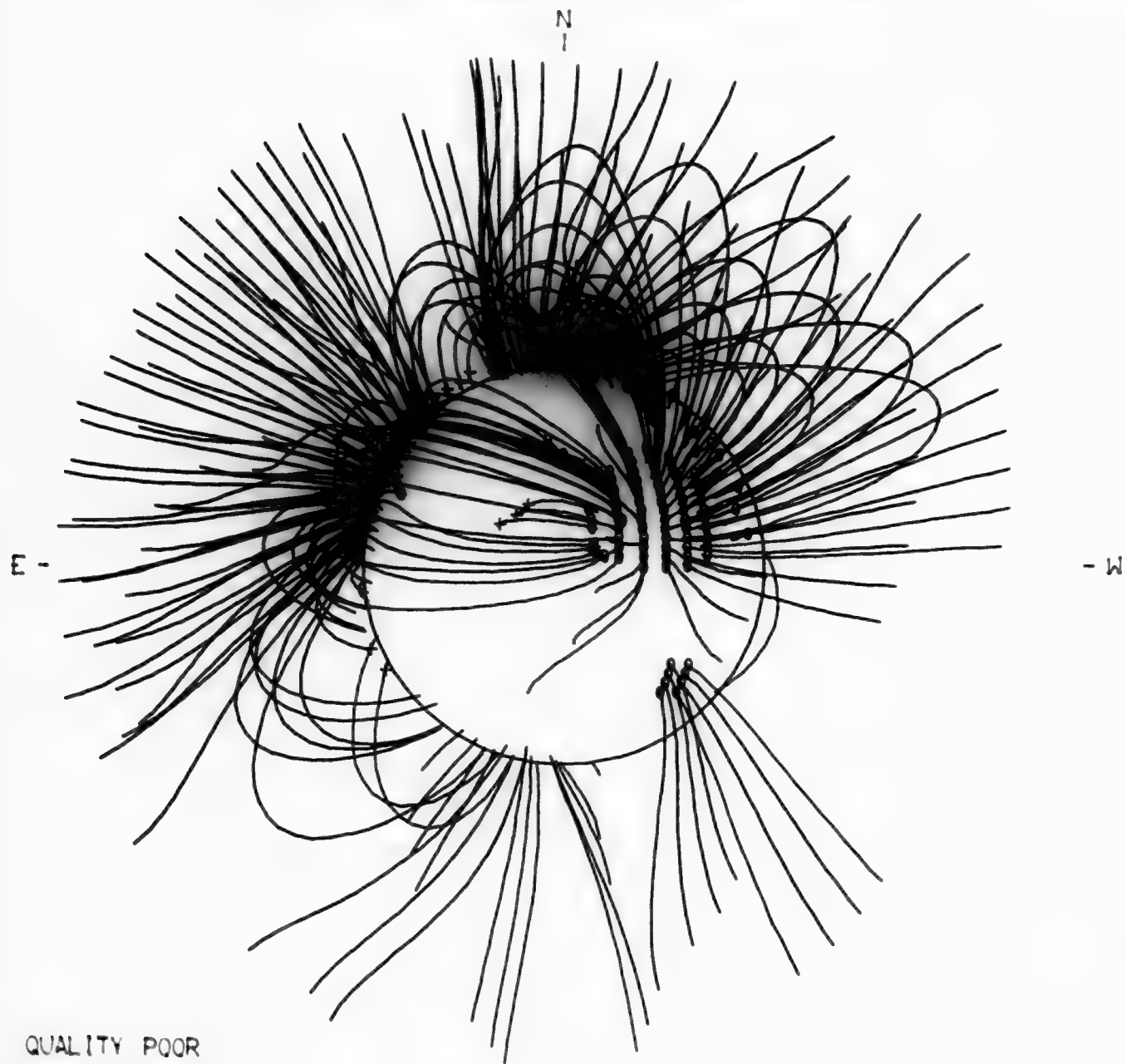
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1462 LONG. 340°

19.5 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

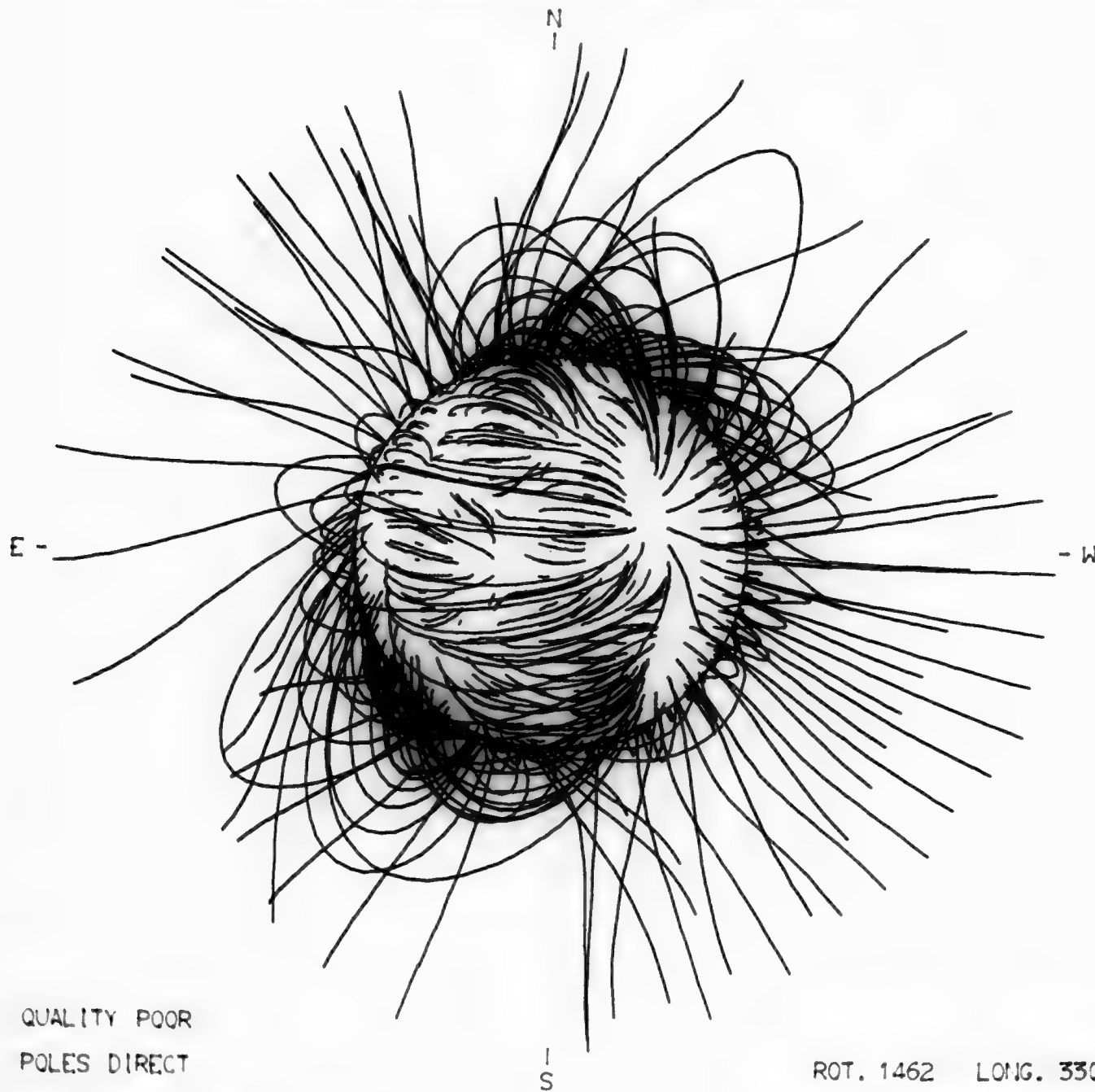
DATA WINDOW 1461.19

I
S

ROT. 1462 LONG. 340°

19.5 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

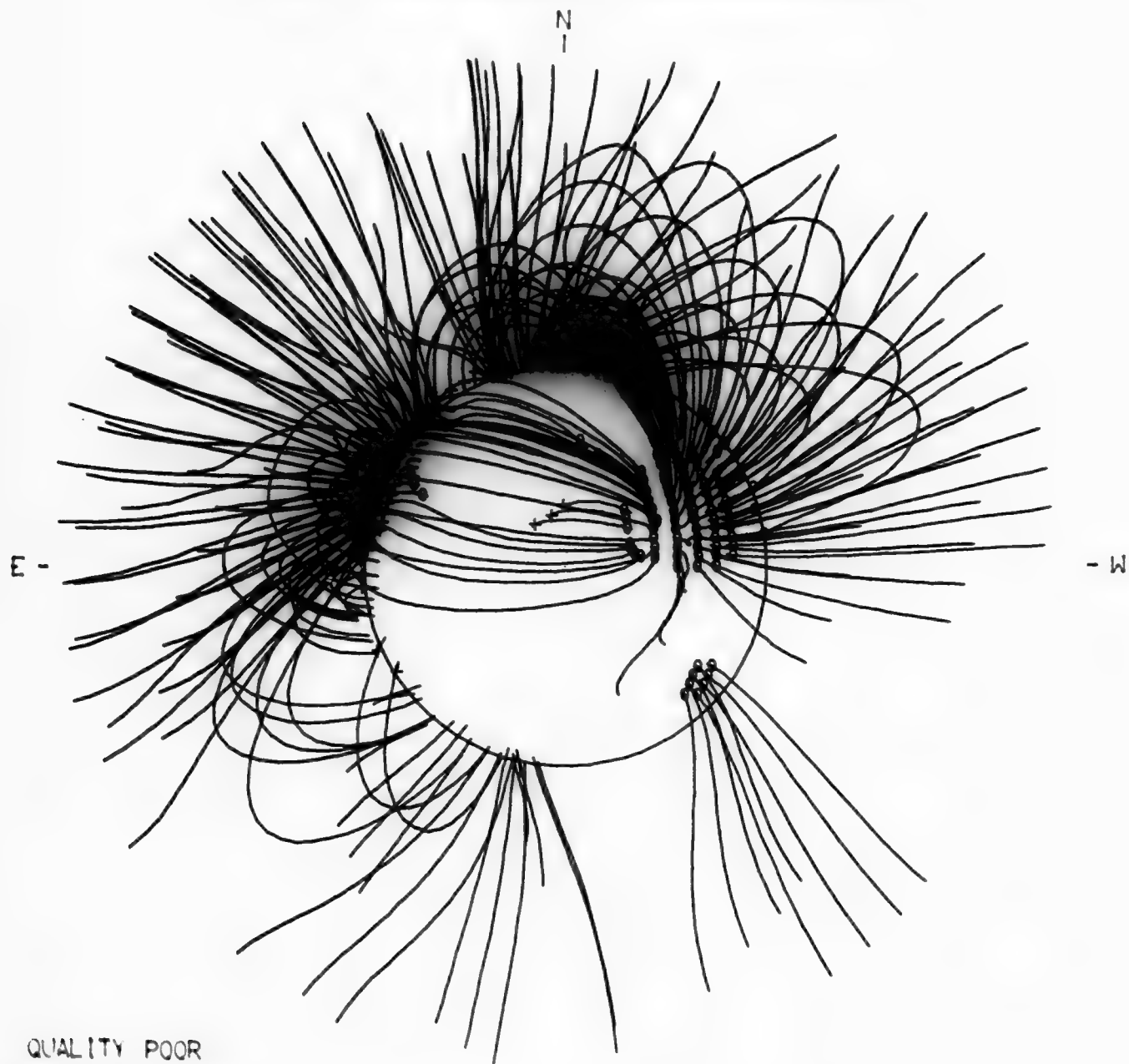
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1462 LONG. 330°

20.3 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

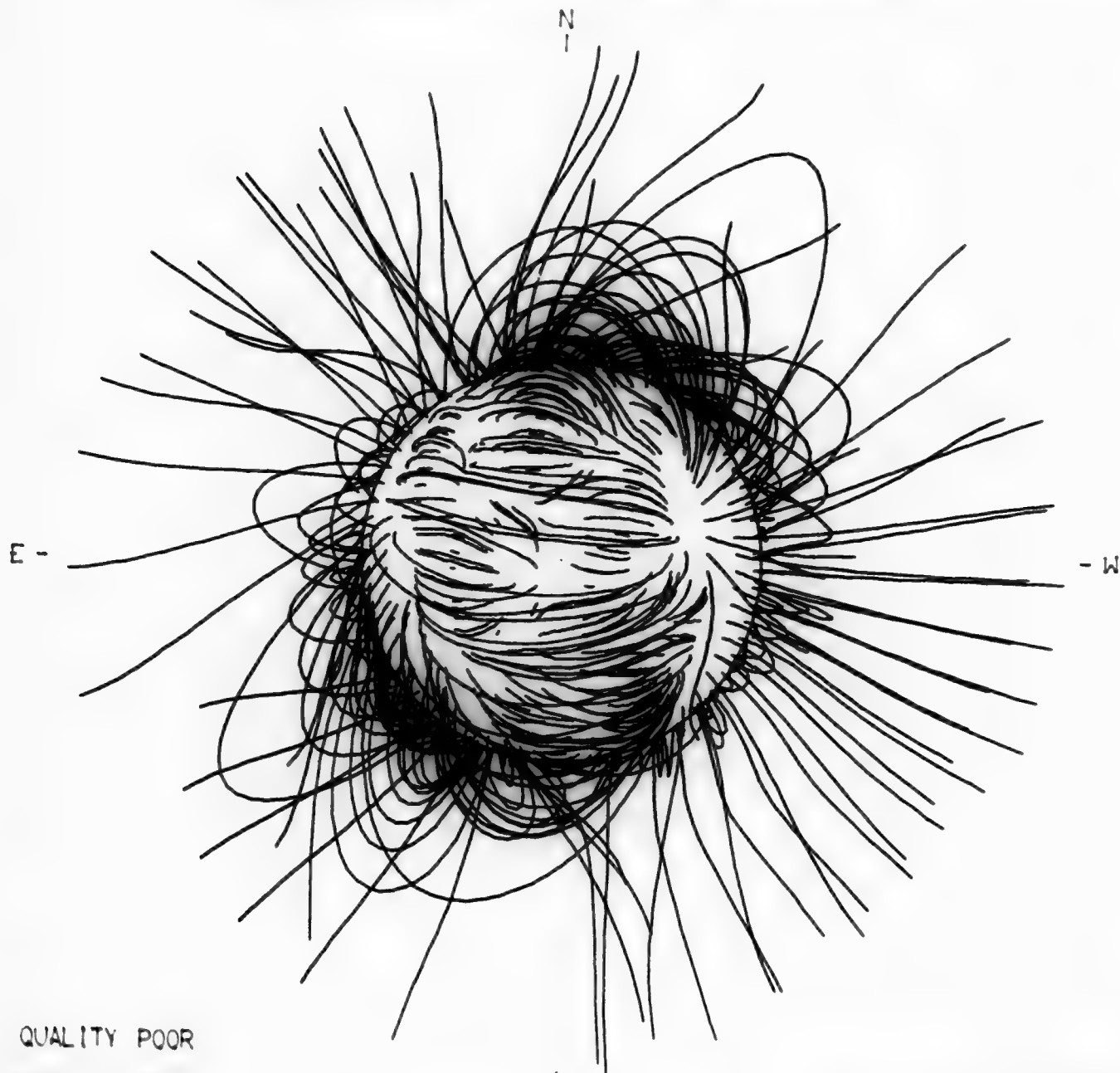
DATA WINDOW 1461.19

I
S

ROT. 1462 LONG. 330°

20.3 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

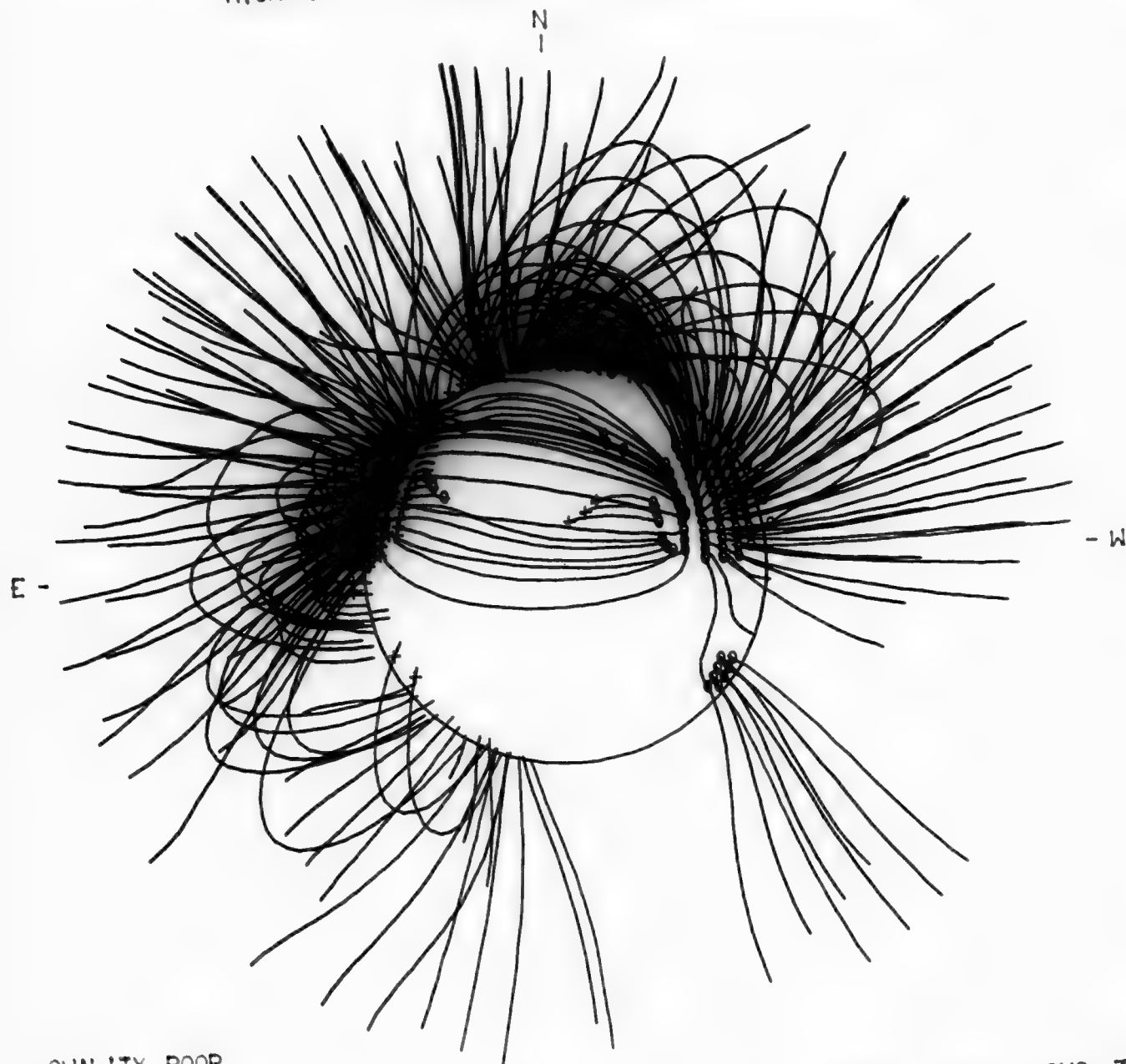
DATA WINDOW 1461.19

S

ROT. 1462 LONG. 320°

21.0 DEC 1962

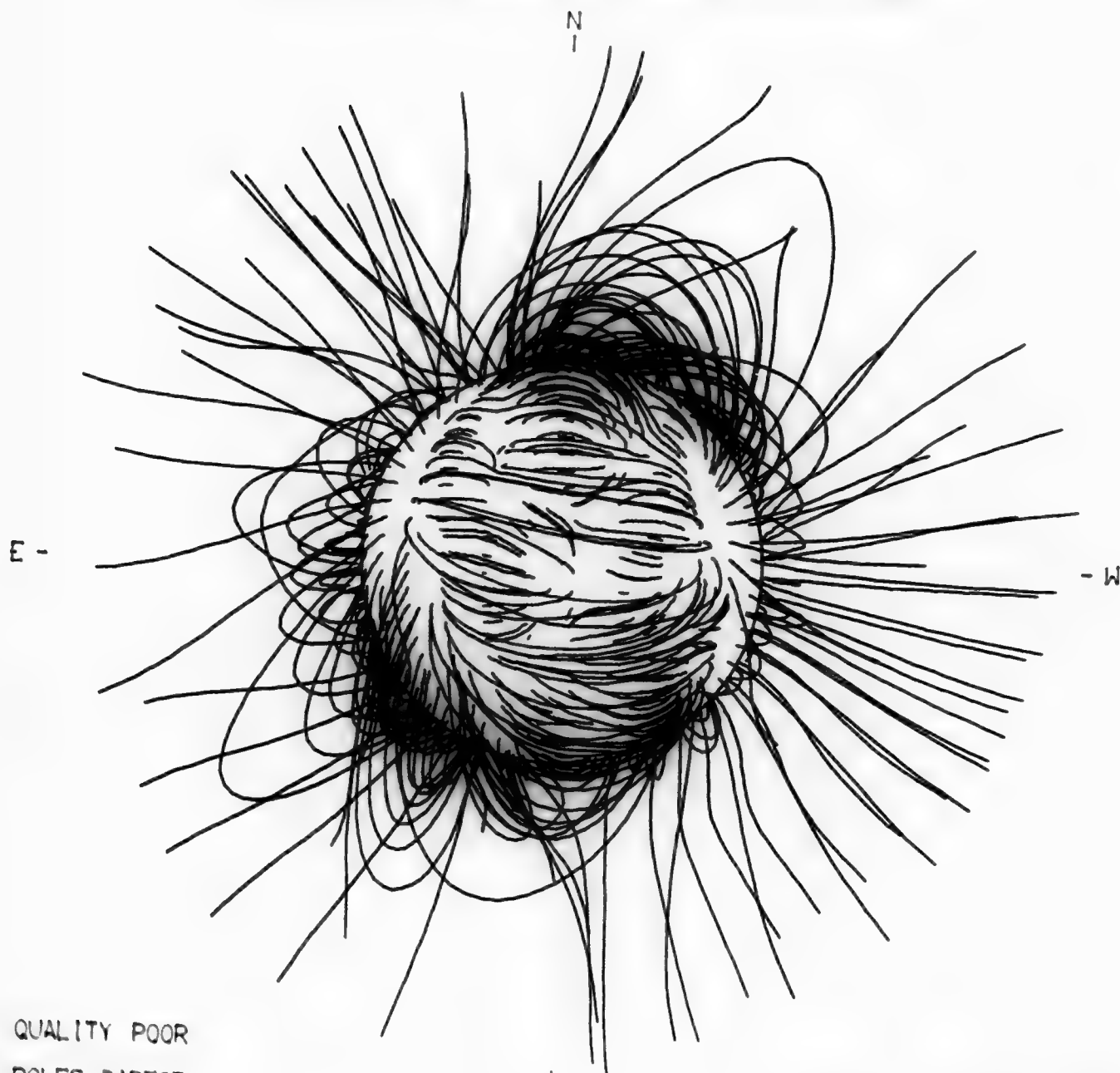
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1462 LONG. 320°
21.0 DEC 1962

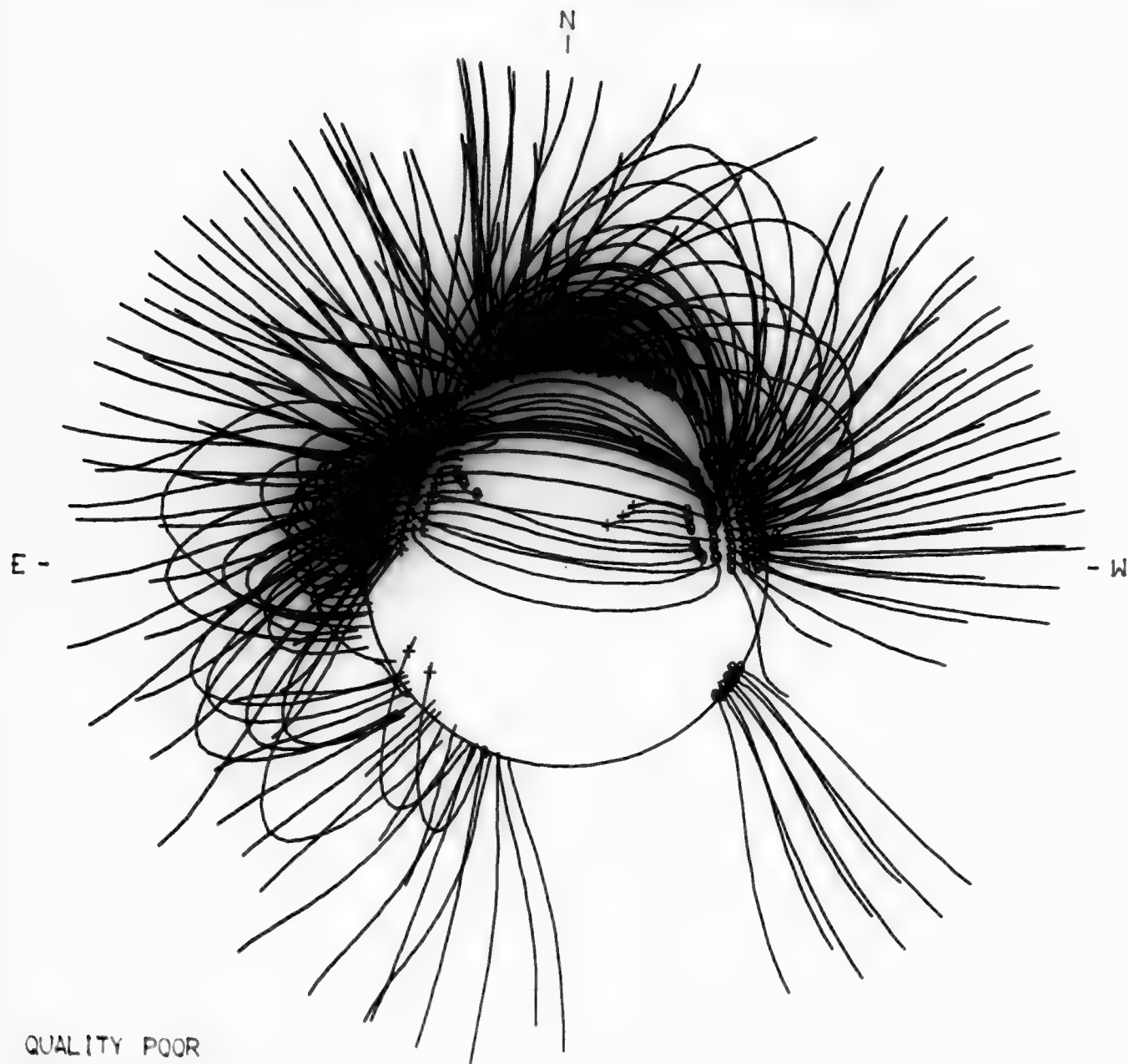
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1462 LONG. 310°
21.8 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

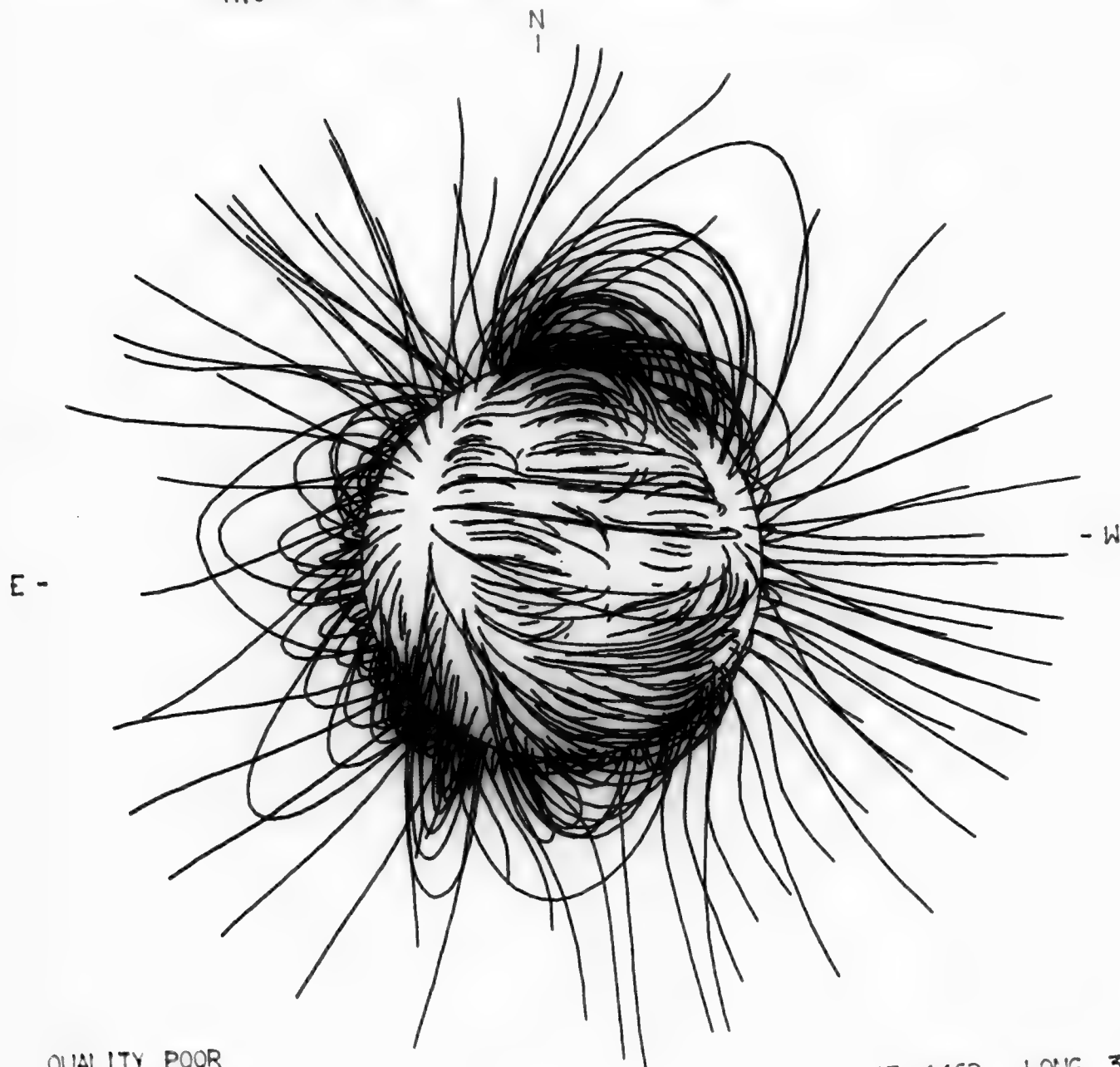
DATA WINDOW 1461.19

N
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S

ROT. 1462 LONG. 310°

21.8 DEC 1962

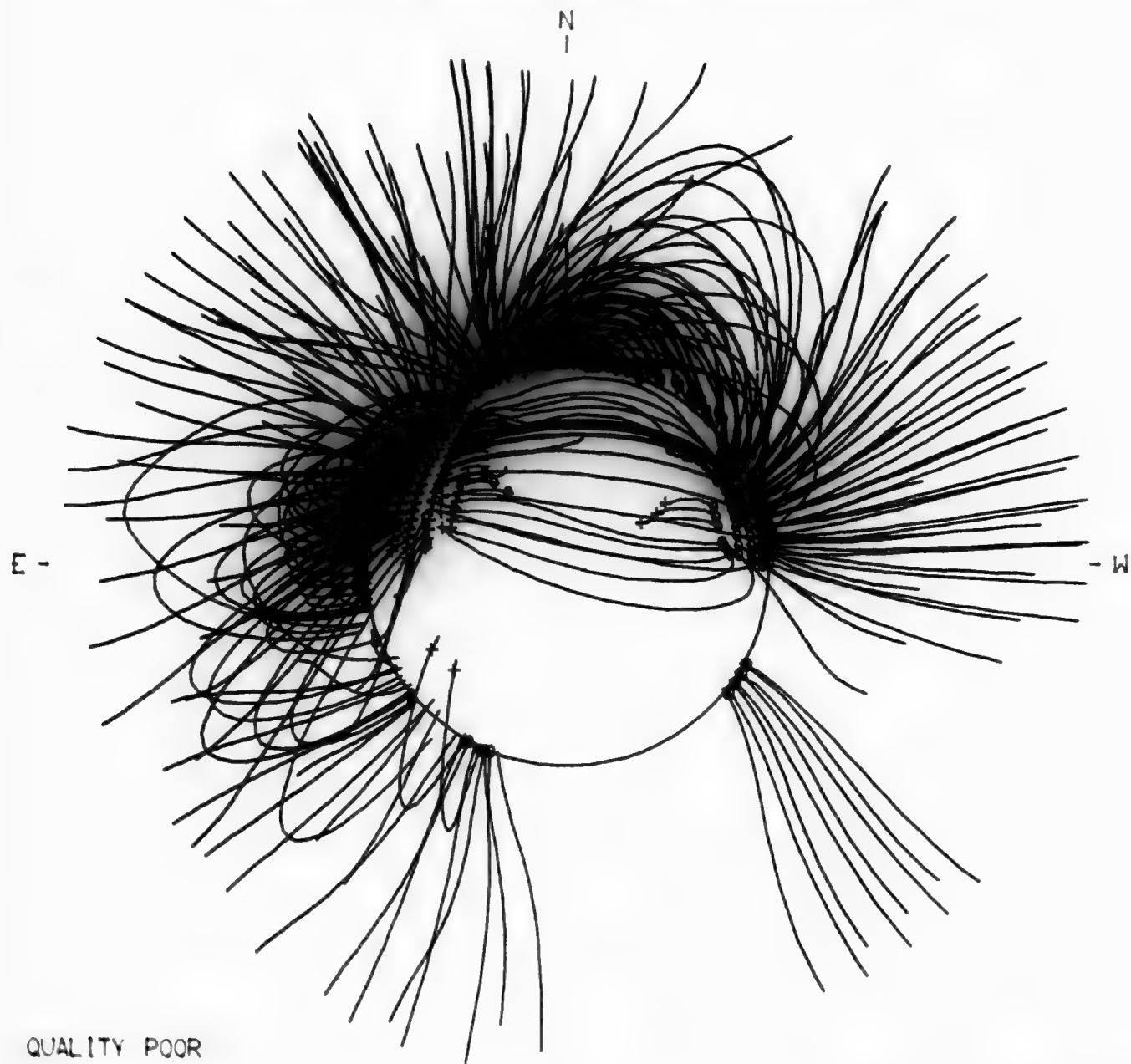
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES DIRECT
DATA WINDOW 1461.19

ROT. 1462 LONG. 300°
22.6 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

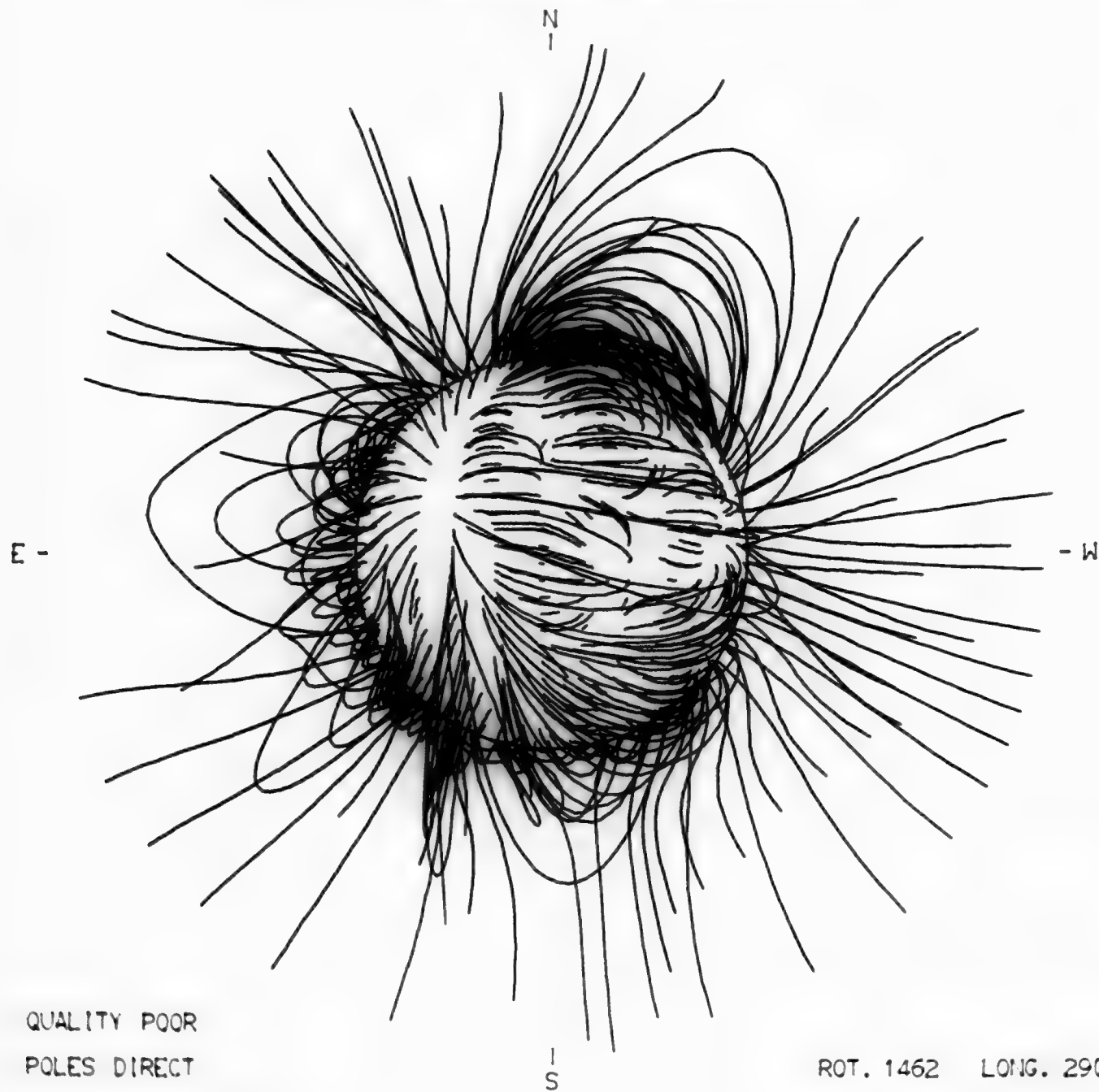
DATA WINDOW 1461.19

I
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ROT. 1462 LONG. 300°

22.6 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

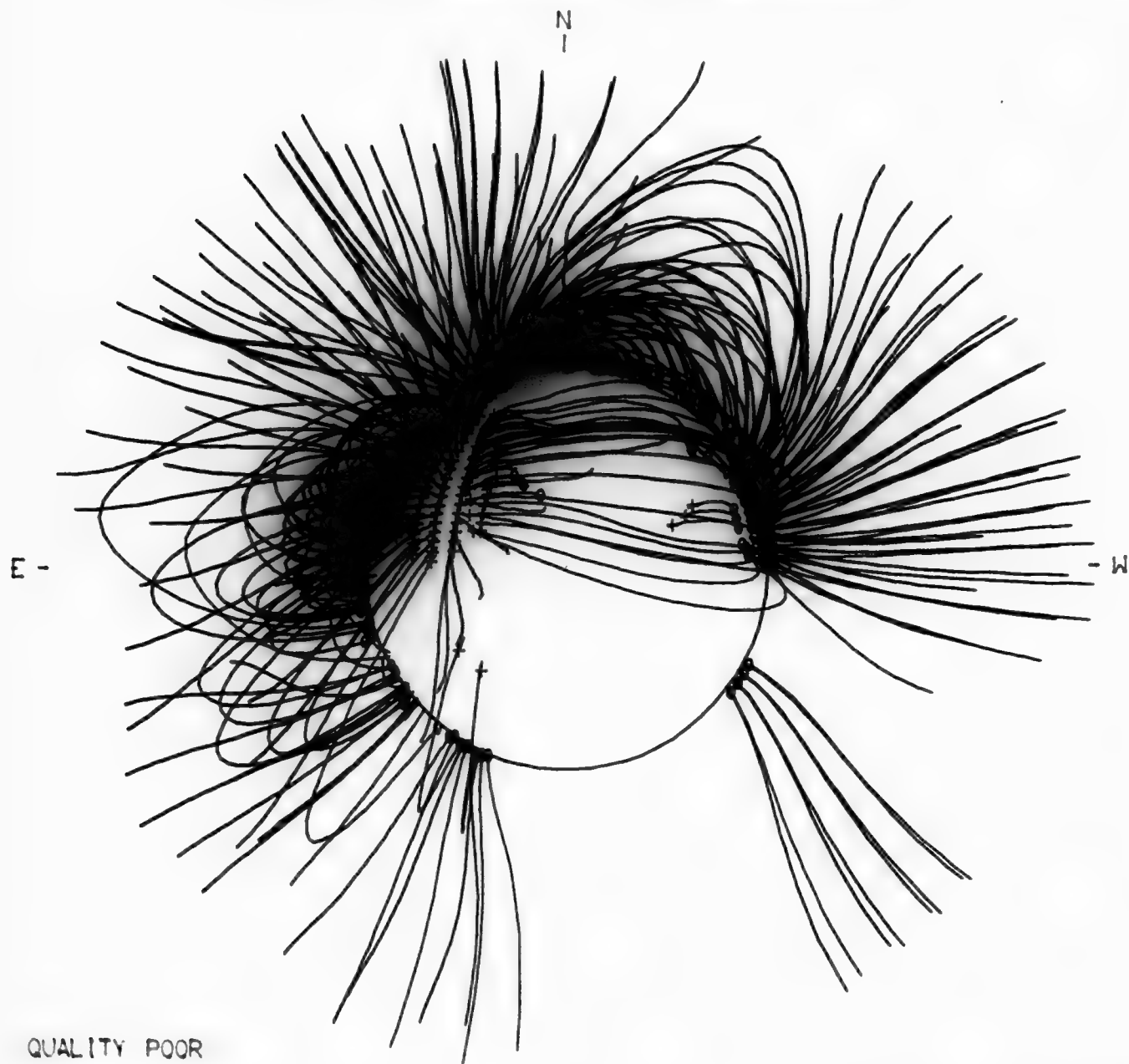
POLES DIRECT

DATA WINDOW 1461.19

ROT. 1462 LONG. 290°

23.3 DEC 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES DIRECT

DATA WINDOW 1461.19

I
S

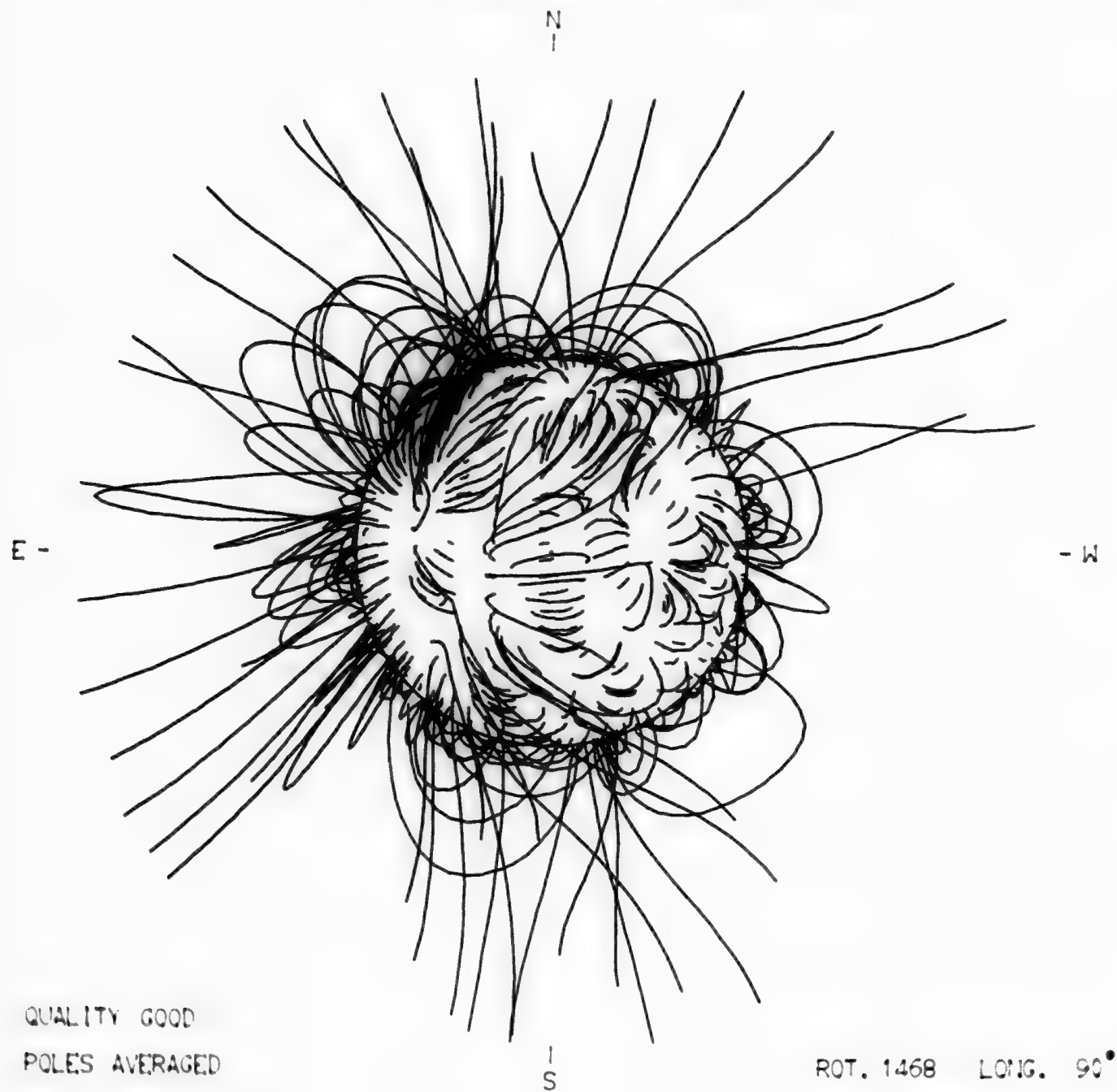
ROT. 1462 LONG. 290°

23.3 DEC 1962

NO OBSERVATIONS

ROT. 1462 LONG. 280--ROT. 1468 LONG. 100
23.4 DEC 1962--19.5 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

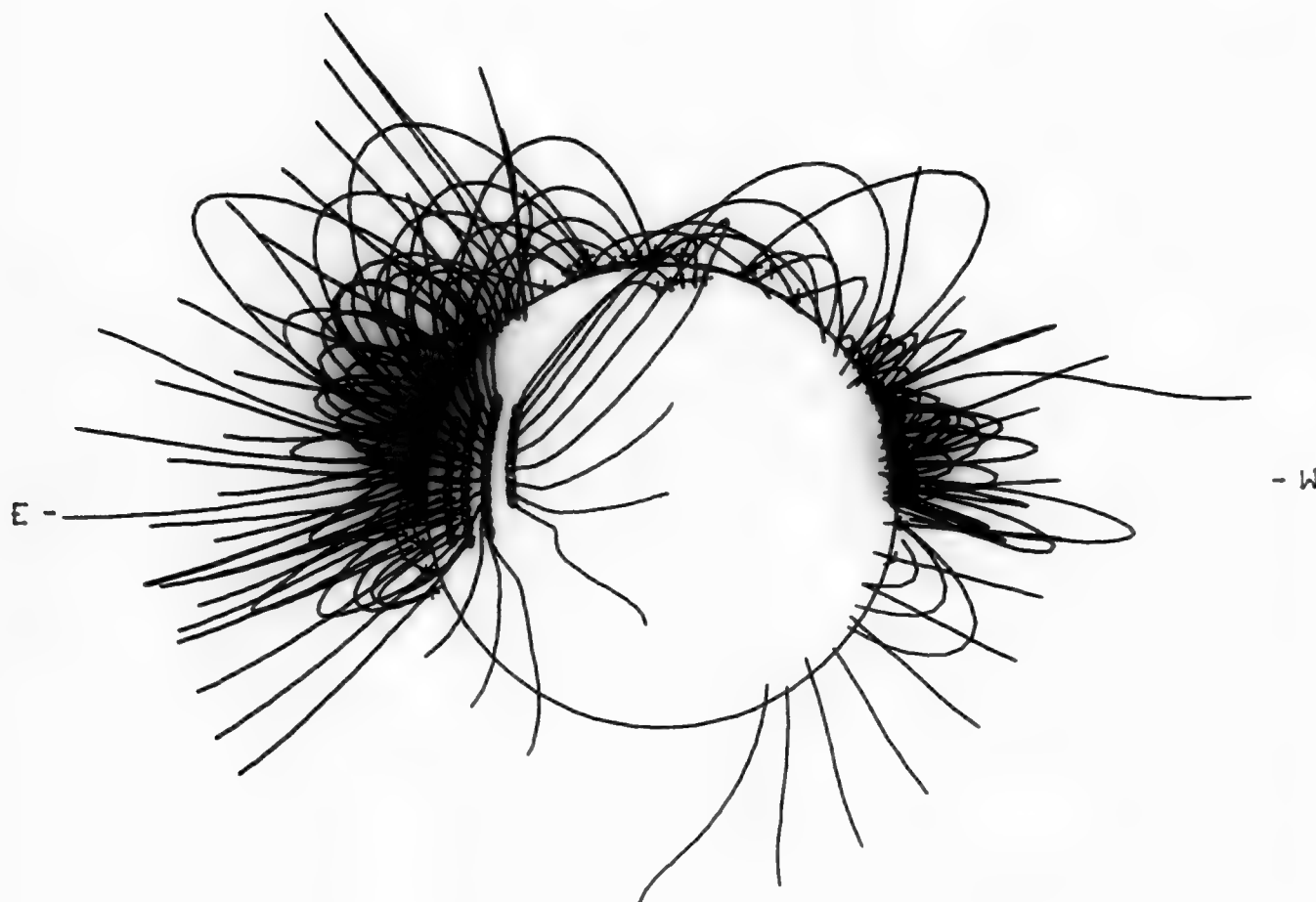
DATA WINDOW 1468.72

ROT. 1468 LONG. 90°

20.2 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|



QUALITY GOOD

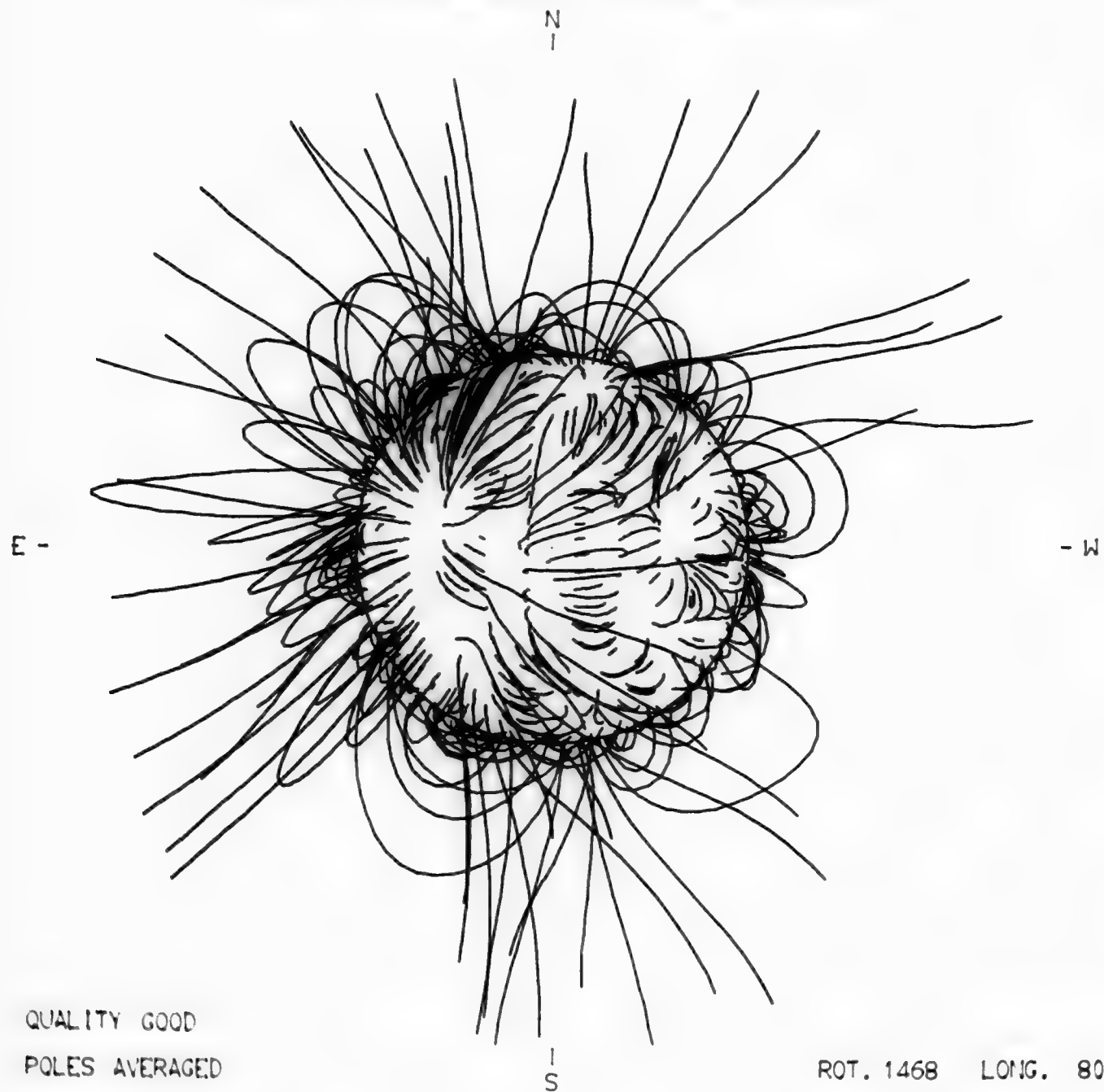
POLES AVERAGED

DATA WINDOW 1468.72

I
S

ROT. 1468 LONG. 90°
20.2 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

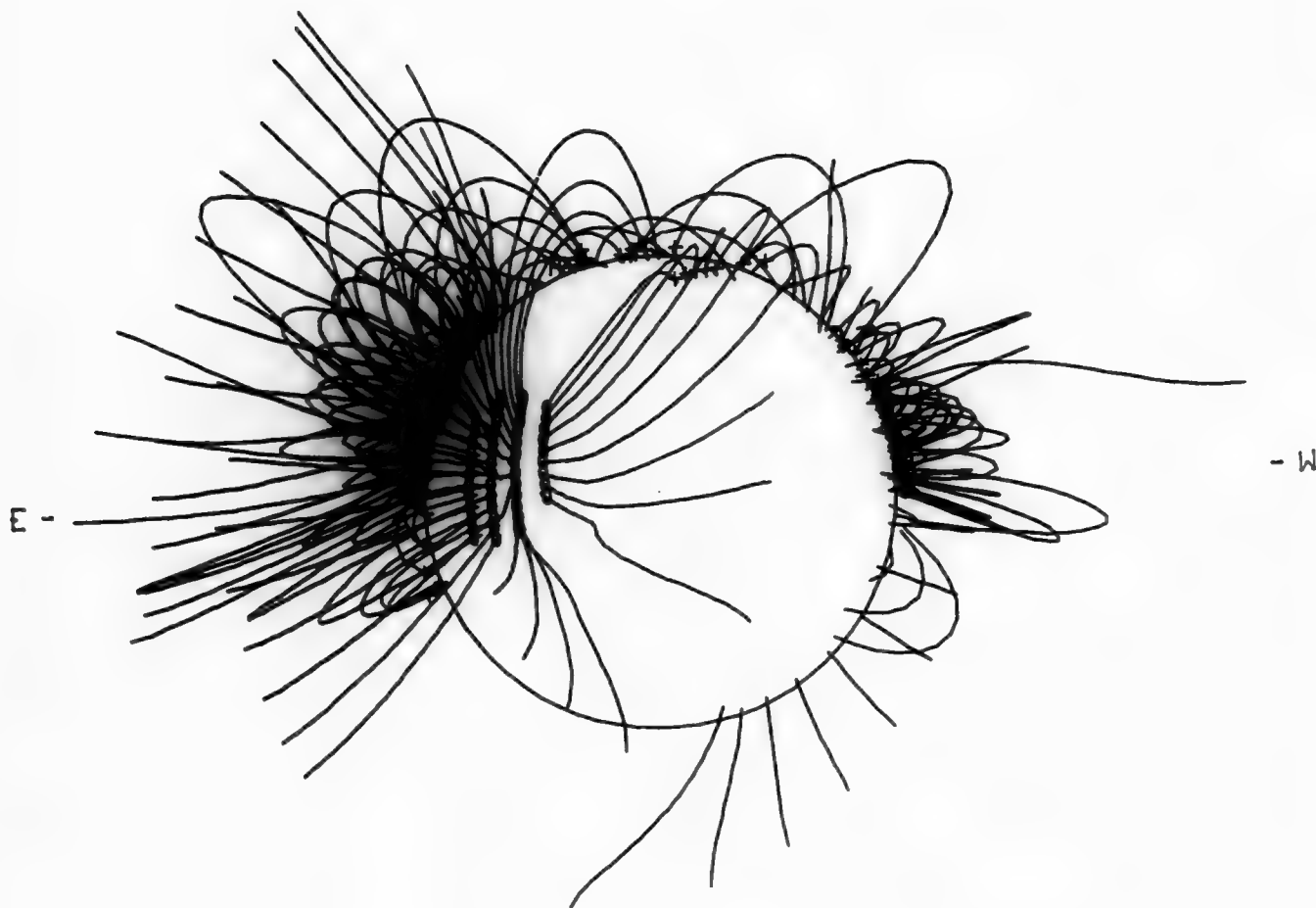
DATA WINDOW 1468.72

ROT. 1468 LONG. 80°

20.9 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I



QUALITY GOOD

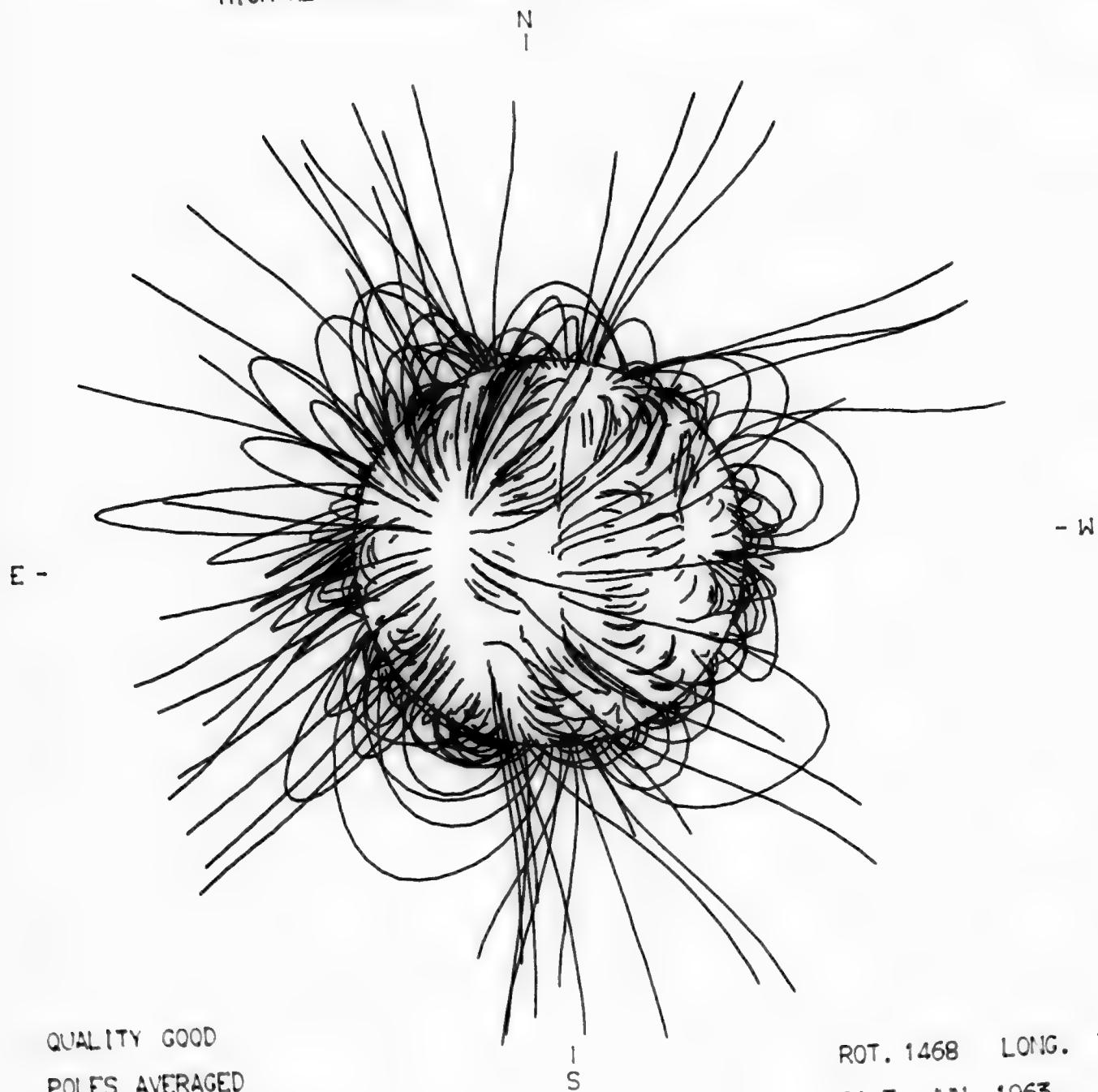
POLES AVERAGED

DATA WINDOW 1468.72

I
S

ROT. 1468 LONG. 80°
20.9 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

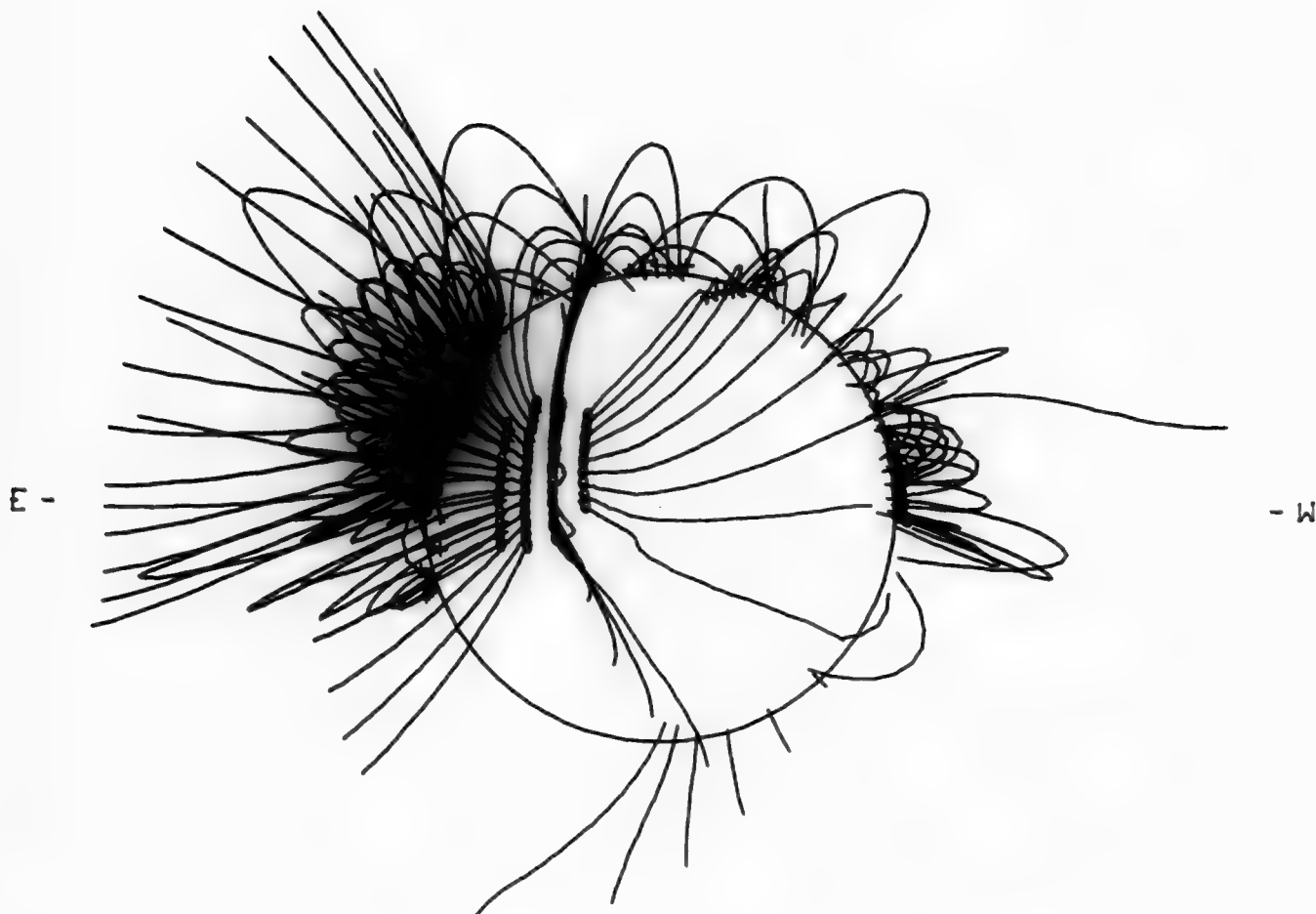


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

ROT. 1468 LONG. 70°
21.7 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|



QUALITY GOOD

POLES AVERAGED

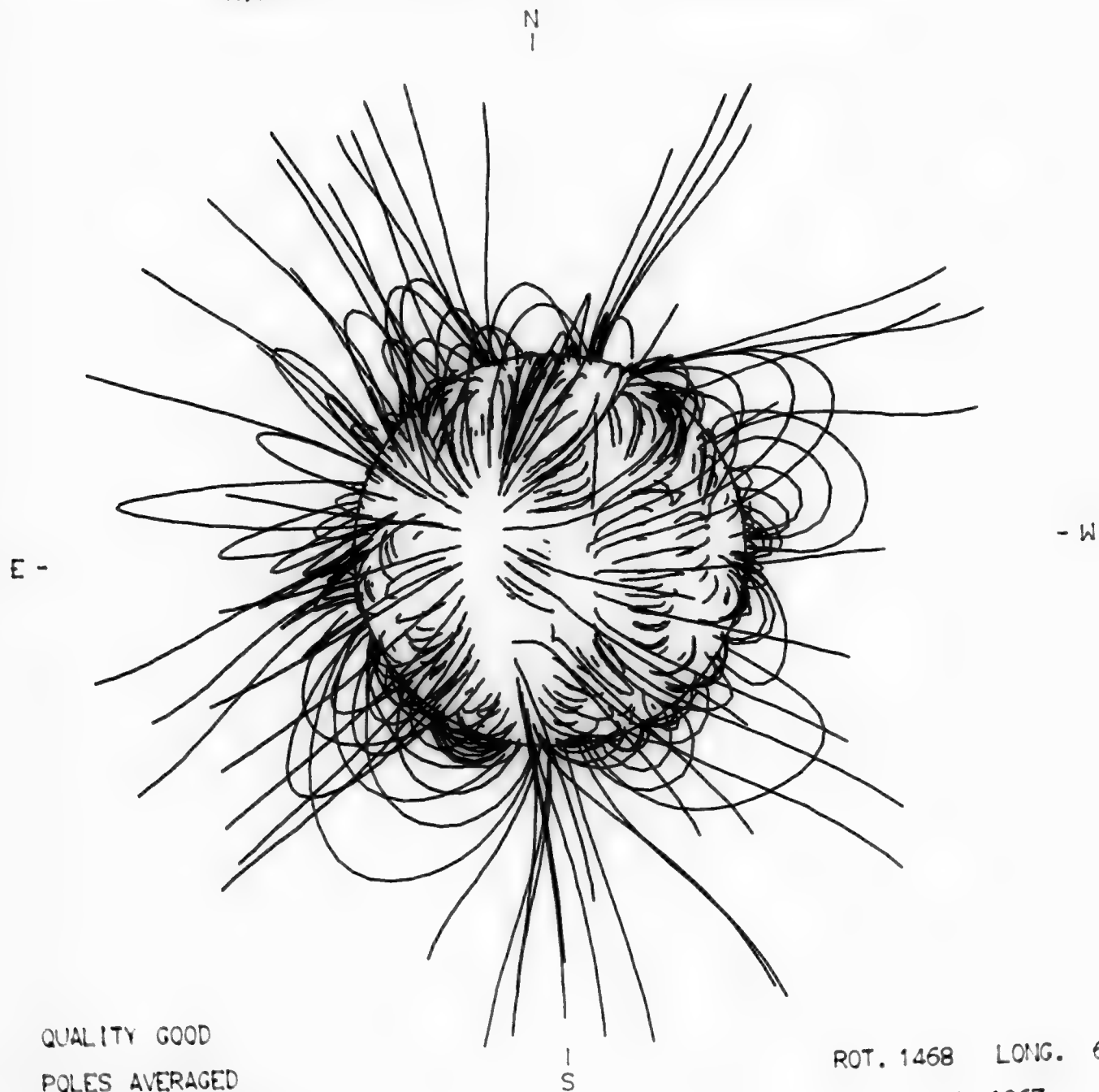
DATA WINDOW 1468.72

1
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ROT. 1468 LONG. 70°

21.7 JUN 1963

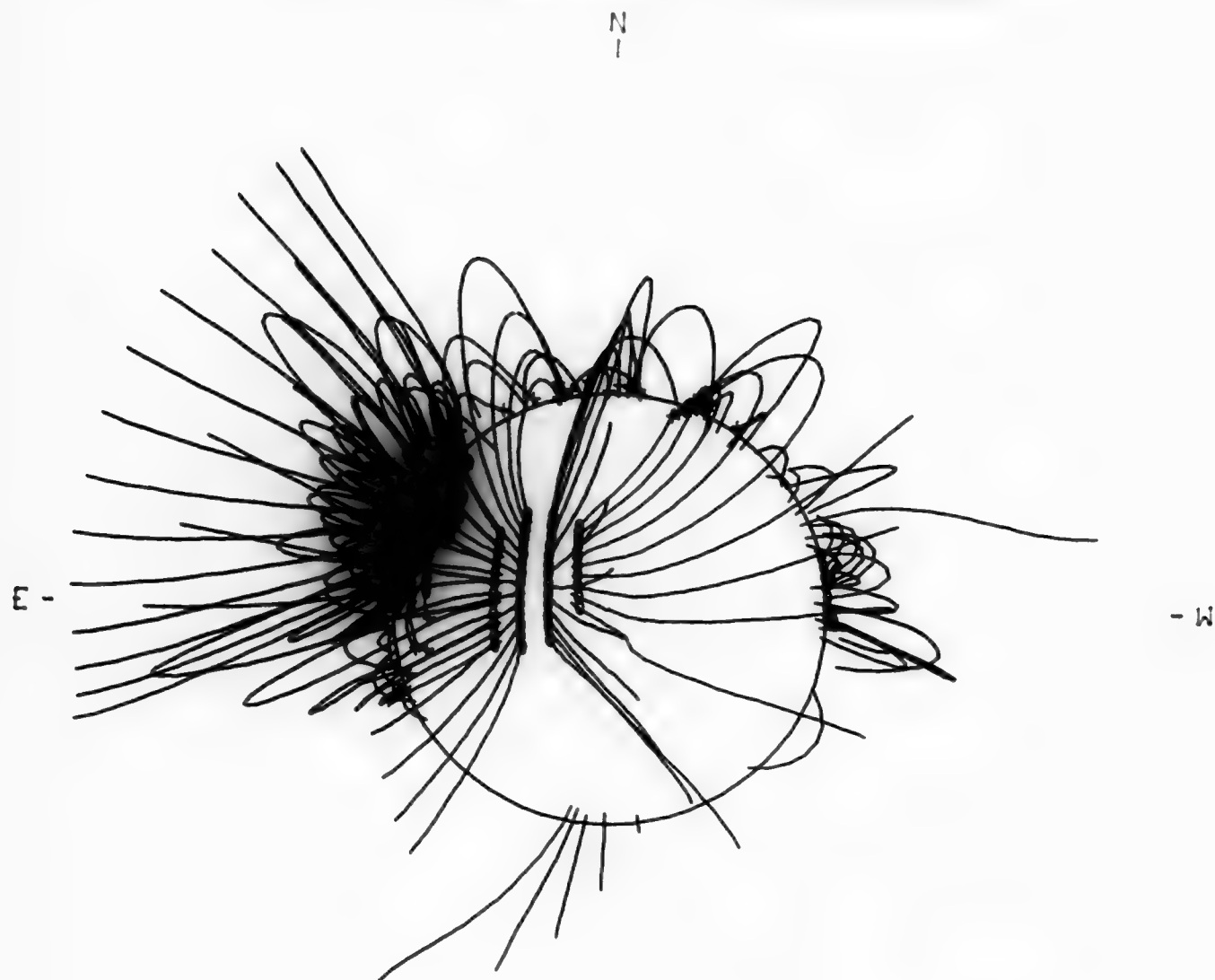
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

ROT. 1468 LONG. 60°
22.4 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1468.72

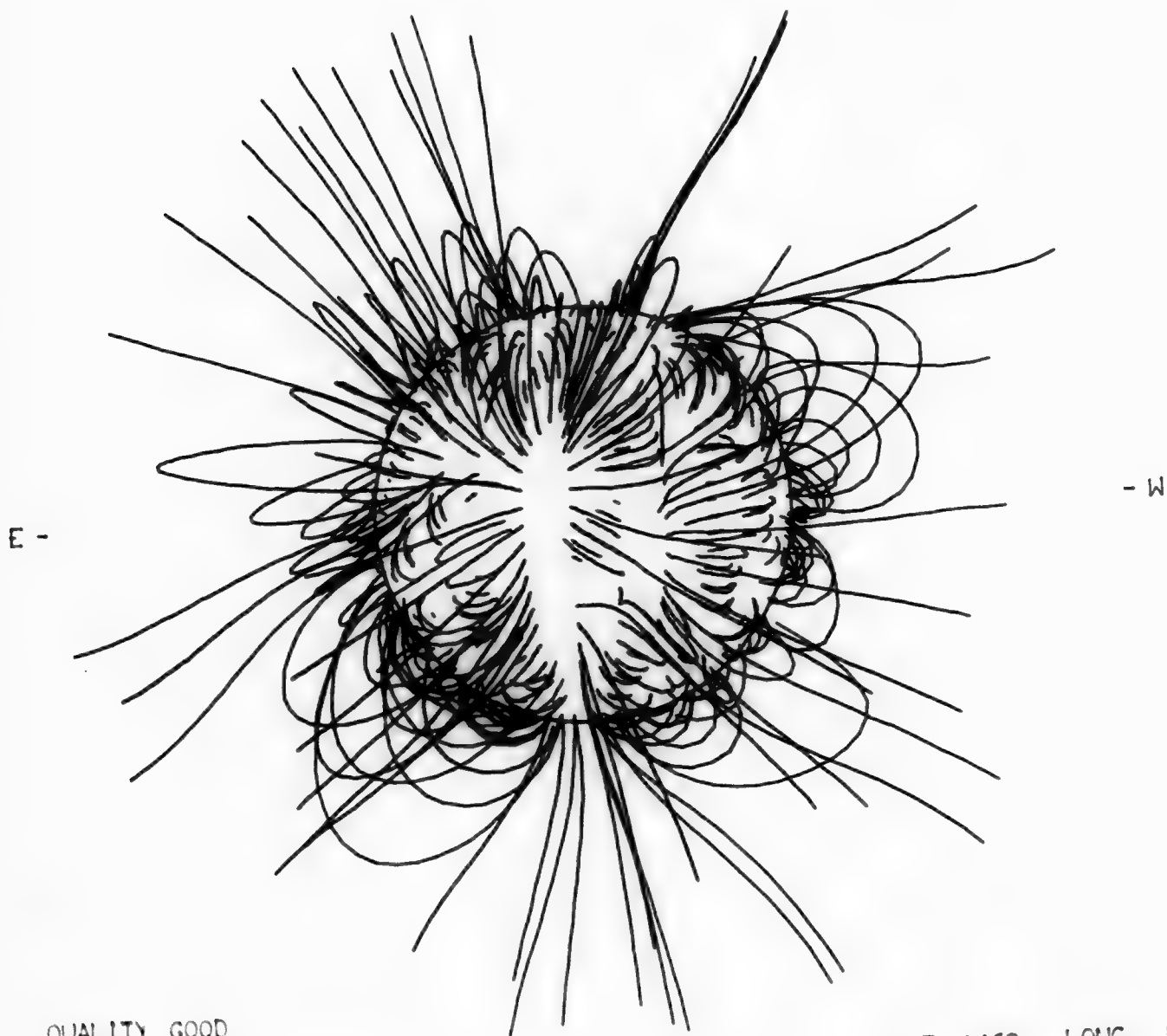
I
S

ROT. 1468 LONG. 60°

22.4 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

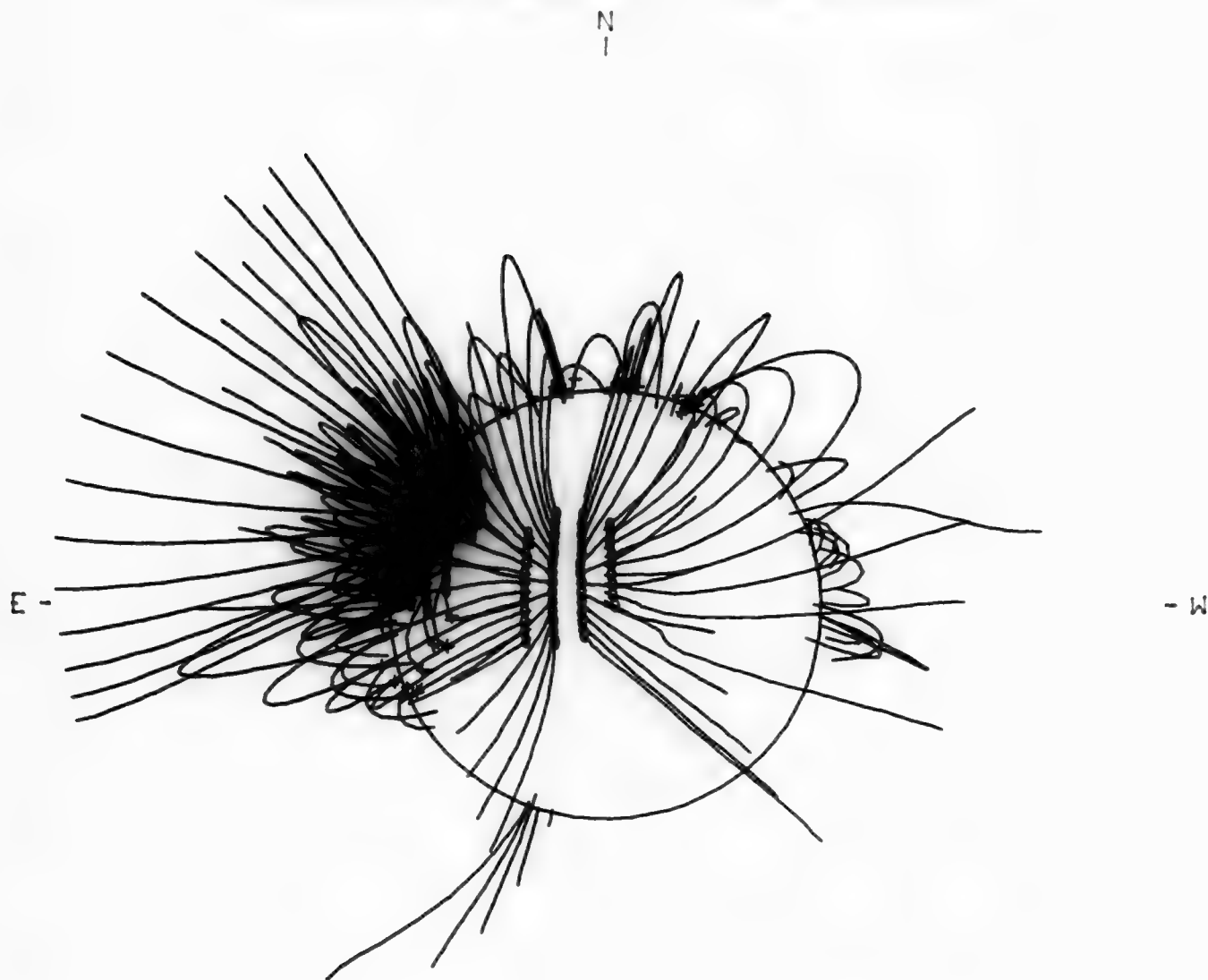
N
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QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

ROT. 1468 LONG. 50°
23.2 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

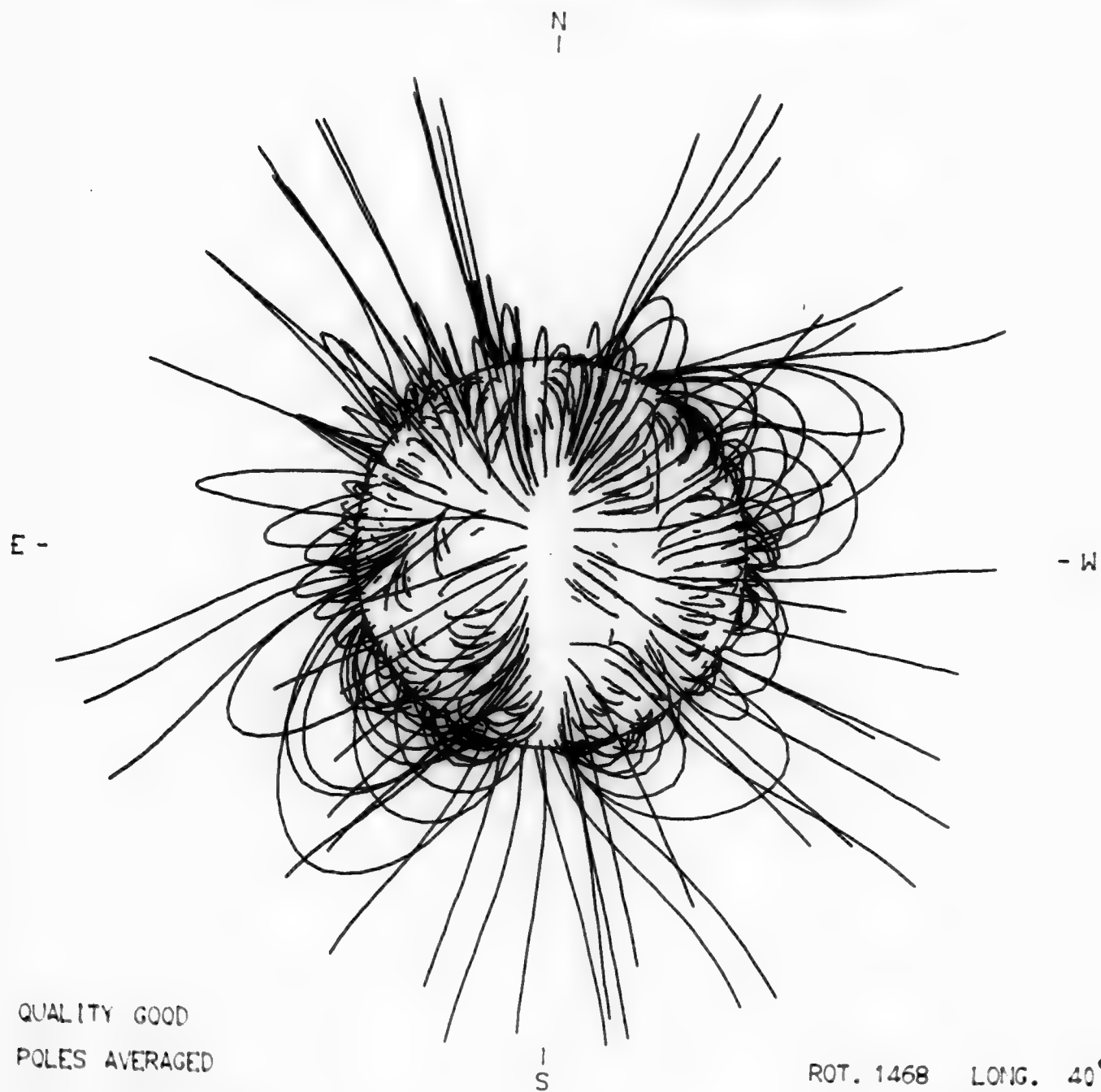
DATA WINDOW 1468.72

I
S

ROT. 1468 LONG. 50°

23.2 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

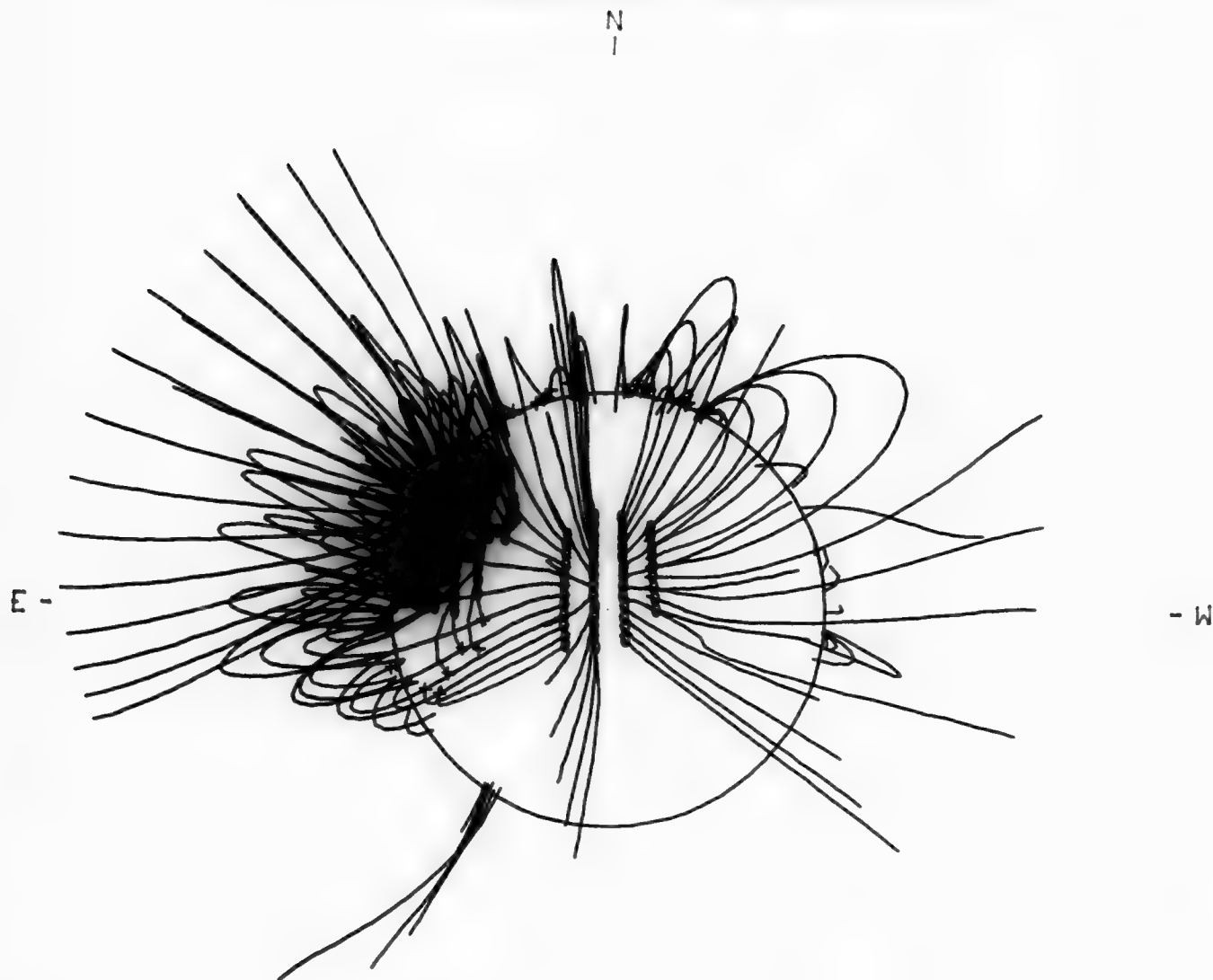
POLES AVERAGED

DATA WINDOW 1468.72

ROT. 1468 LONG. 40°

24.0 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

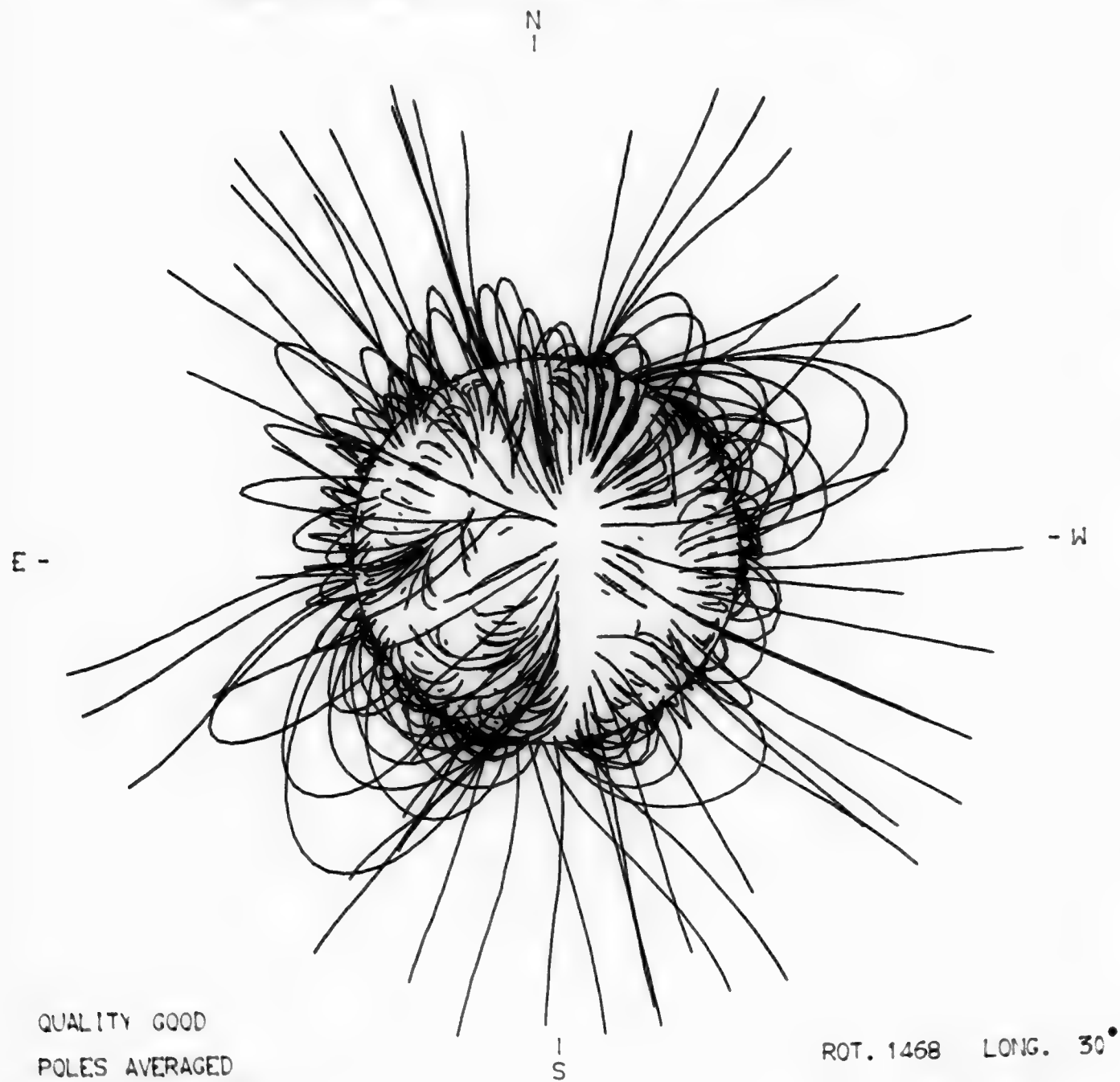
DATA WINDOW 1468.72

I
S

ROT. 1468 LONG. 40°

24.0 JUN 1963

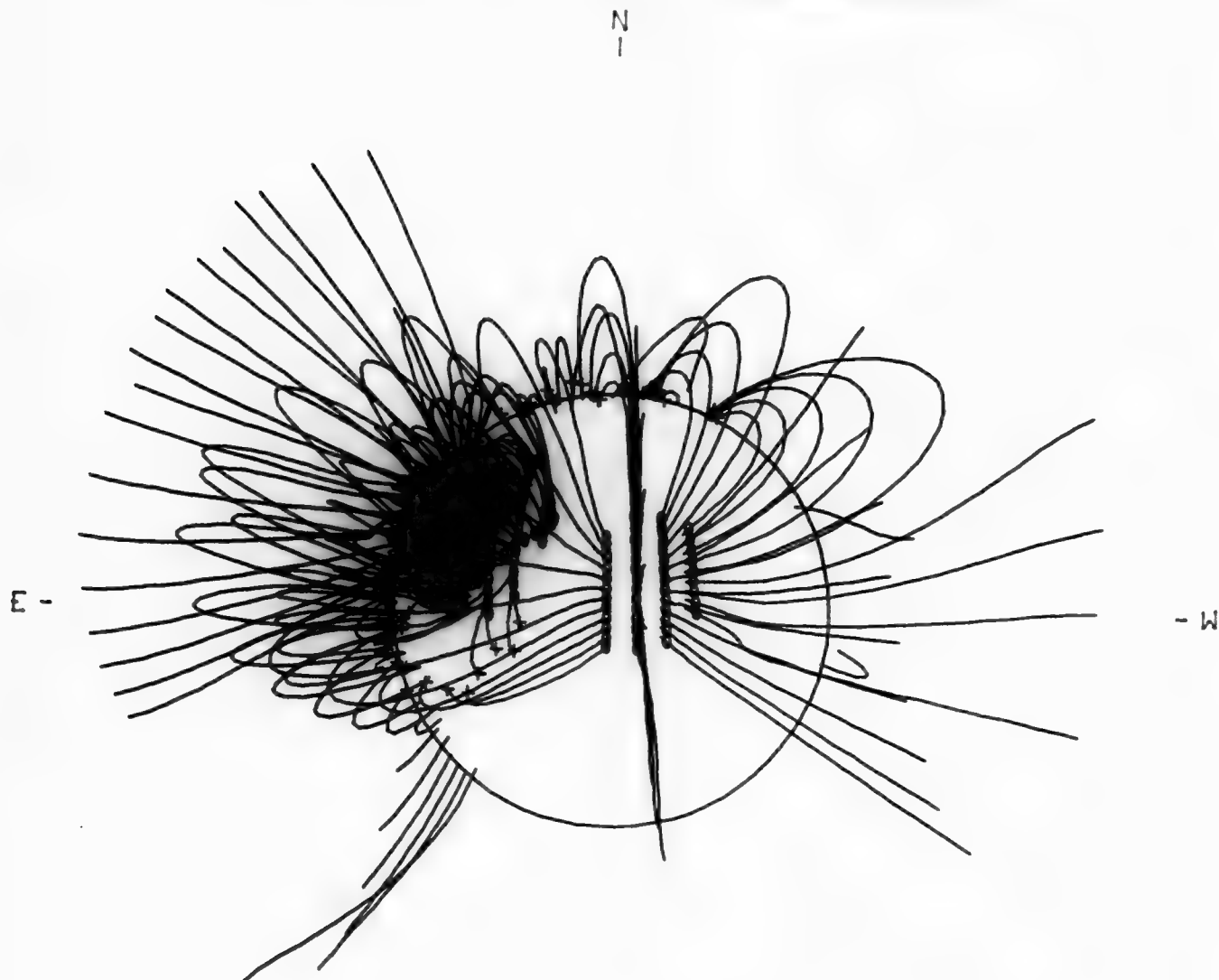
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

ROT. 1468 LONG. 30°
24.7 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

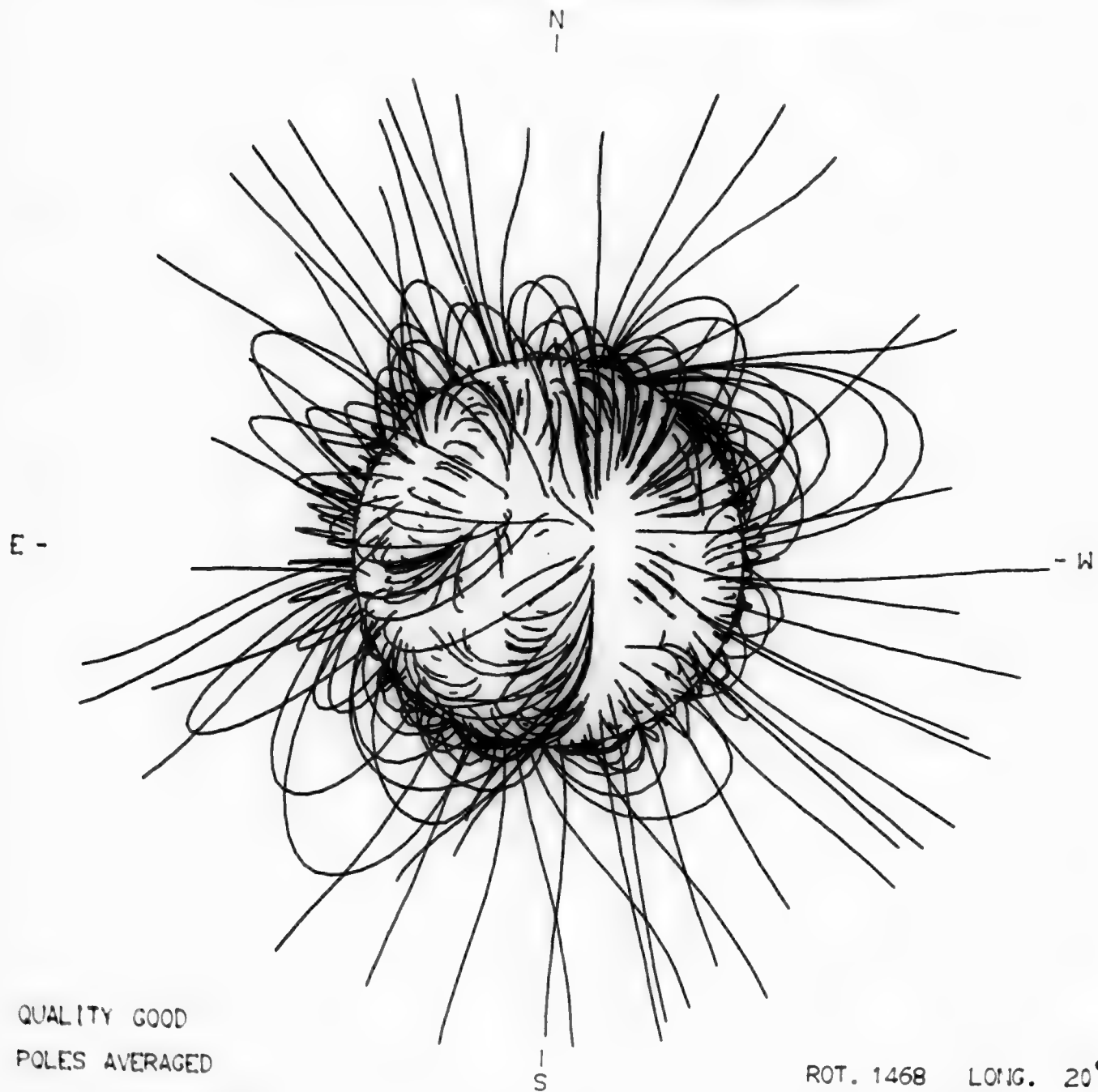
DATA WINDOW 1468.72

I
S

ROT. 1468 LONG. 30°

24.7 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

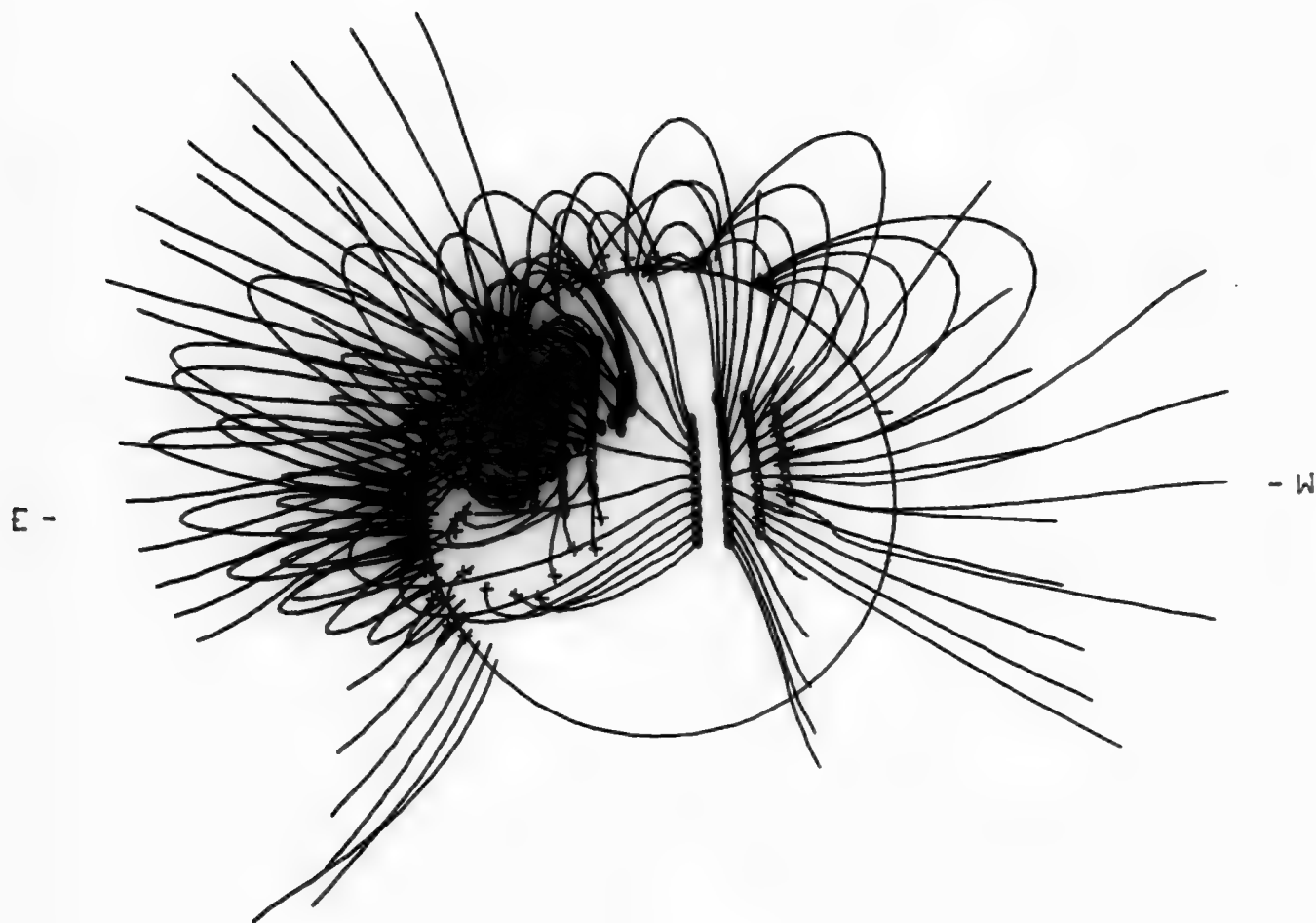
POLES AVERAGED

DATA WINDOW 1468.72

ROT. 1468 LONG. 20°
25.5 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

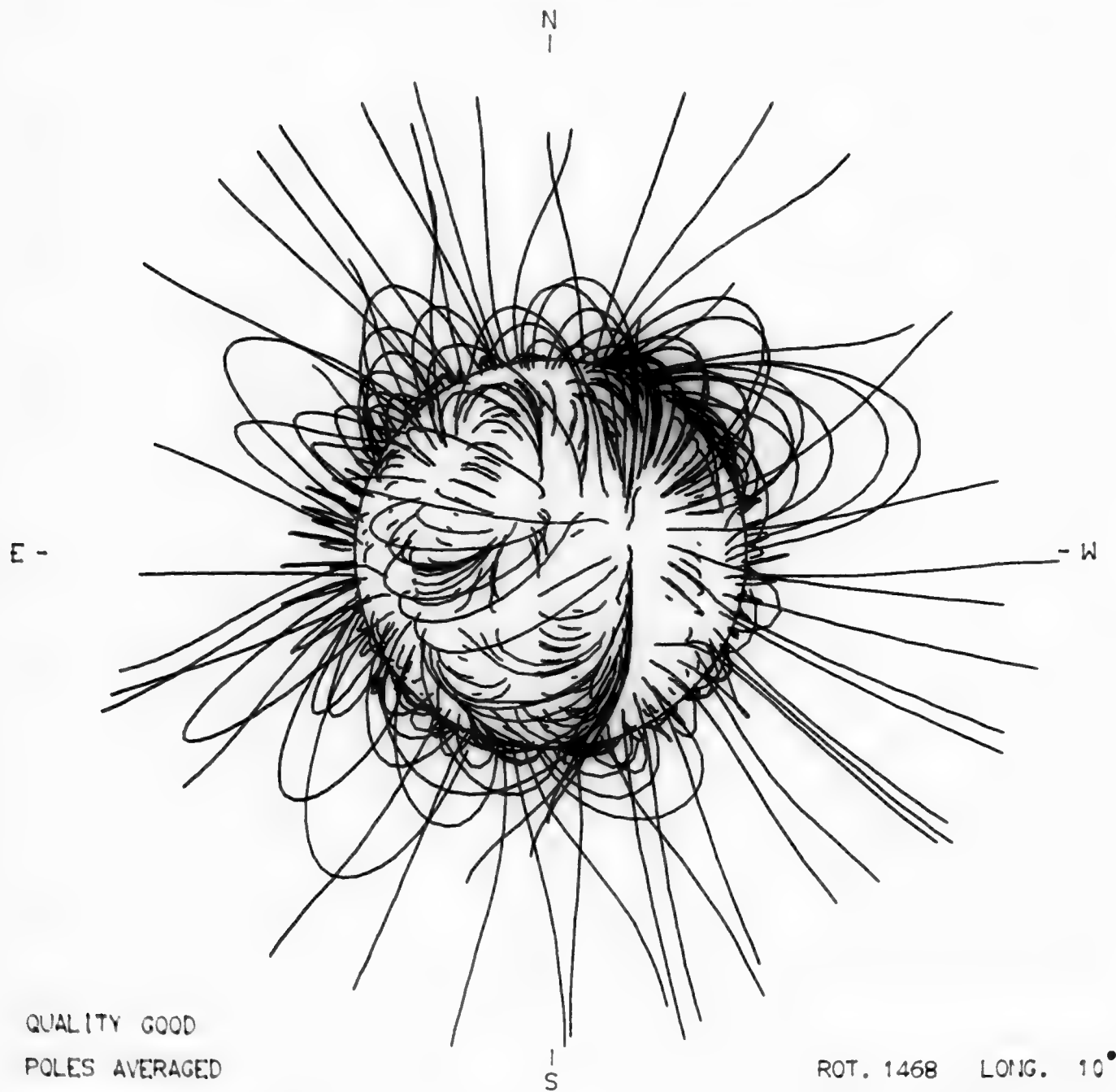
POLES AVERAGED

DATA WINDOW 1468.72

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ROT. 1468 LONG. 20°
25.5 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

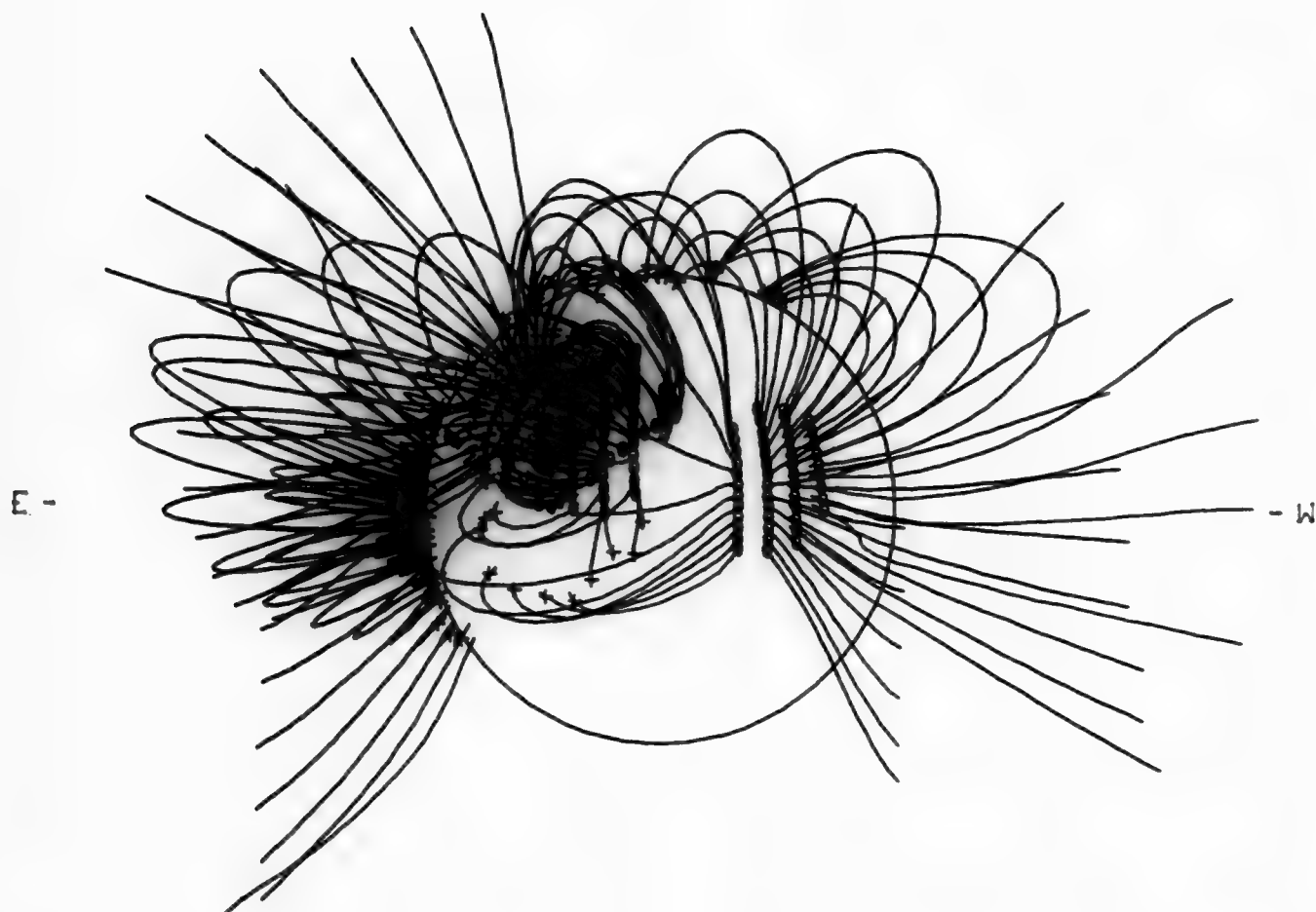


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

ROT. 1468 LONG. 10°
26.2 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

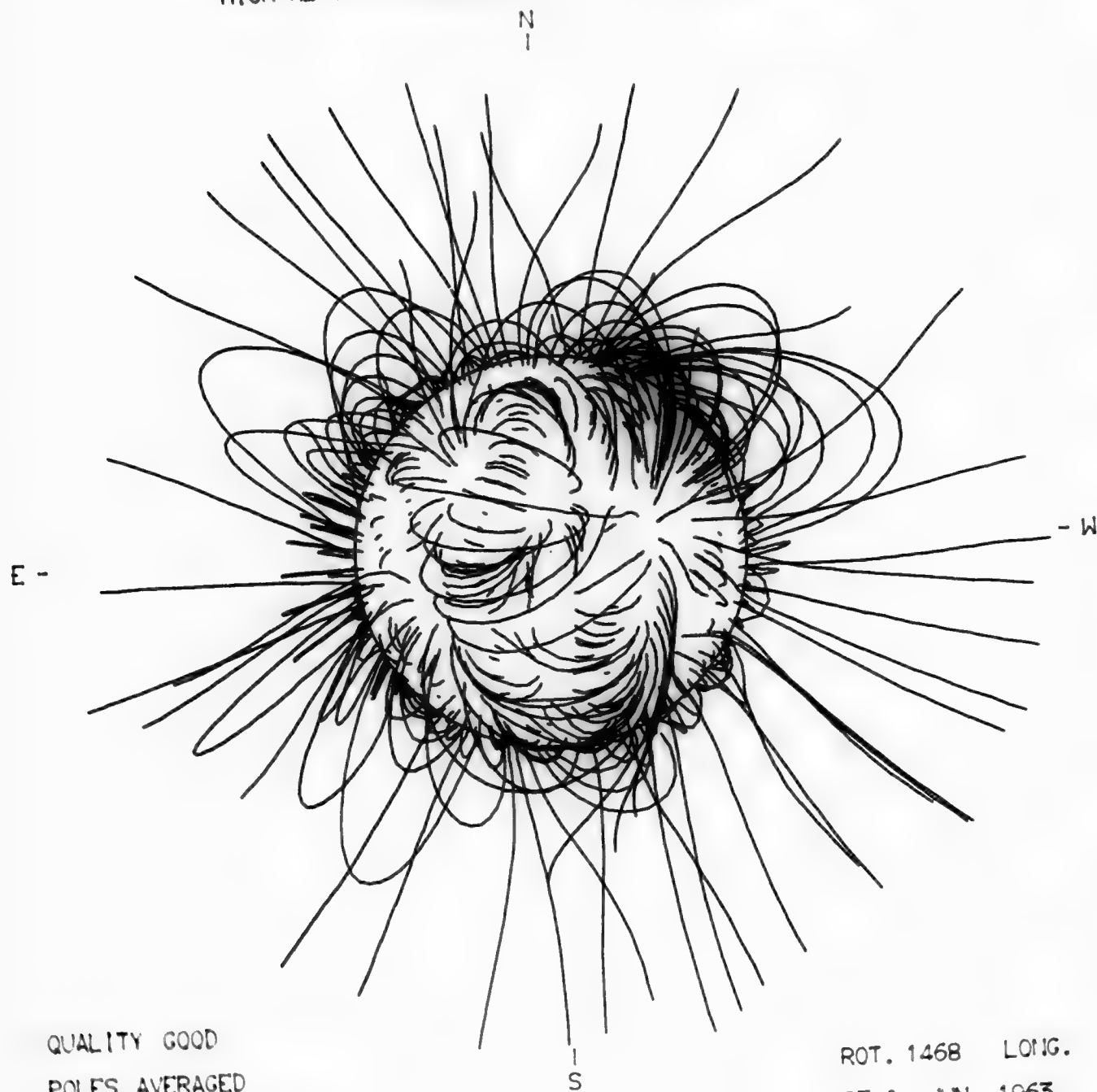
DATA WINDOW 1468.72

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ROT. 1468 LONG. 10°

26.2 JUN 1963

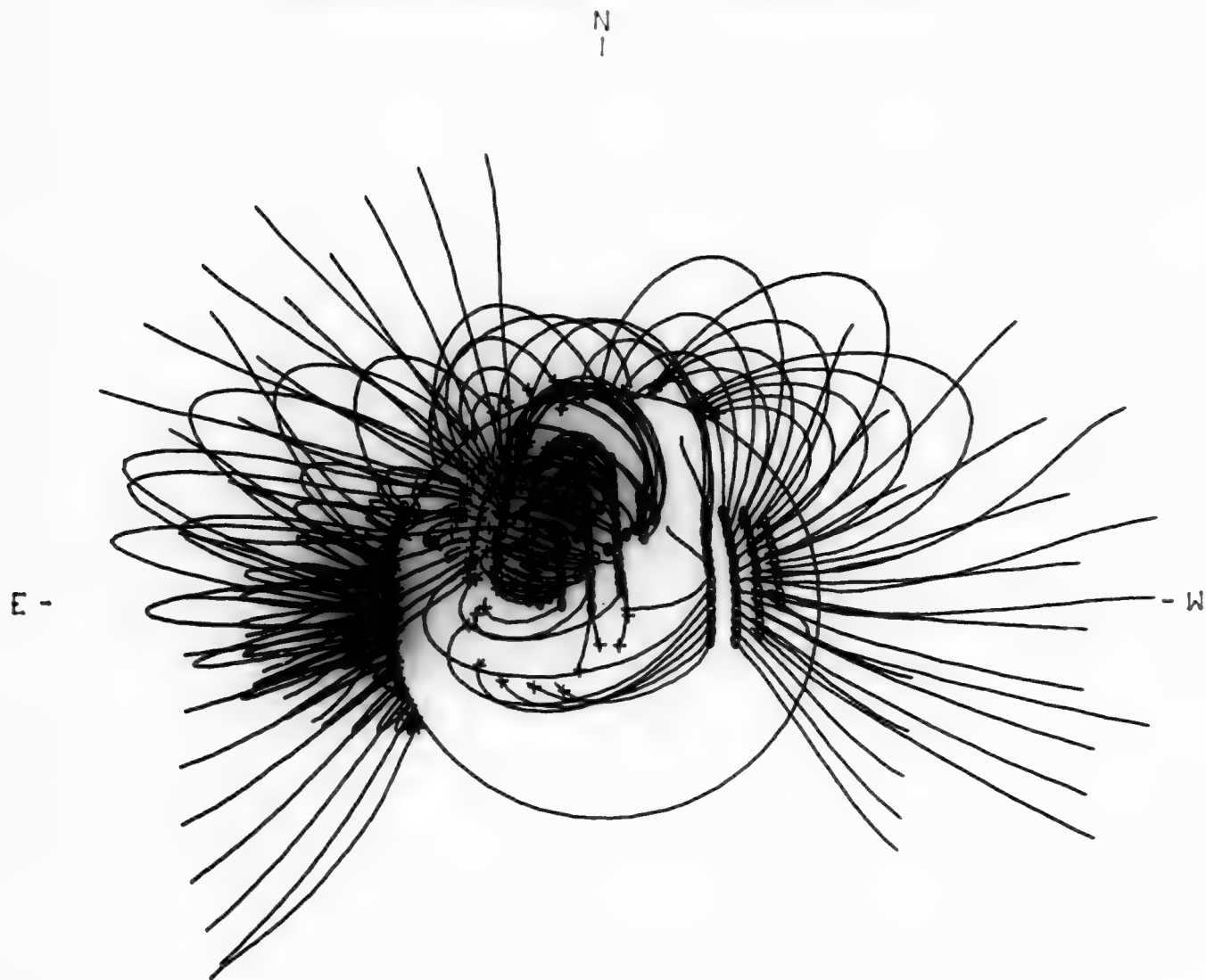
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

ROT. 1468 LONG. 0°
27.0 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

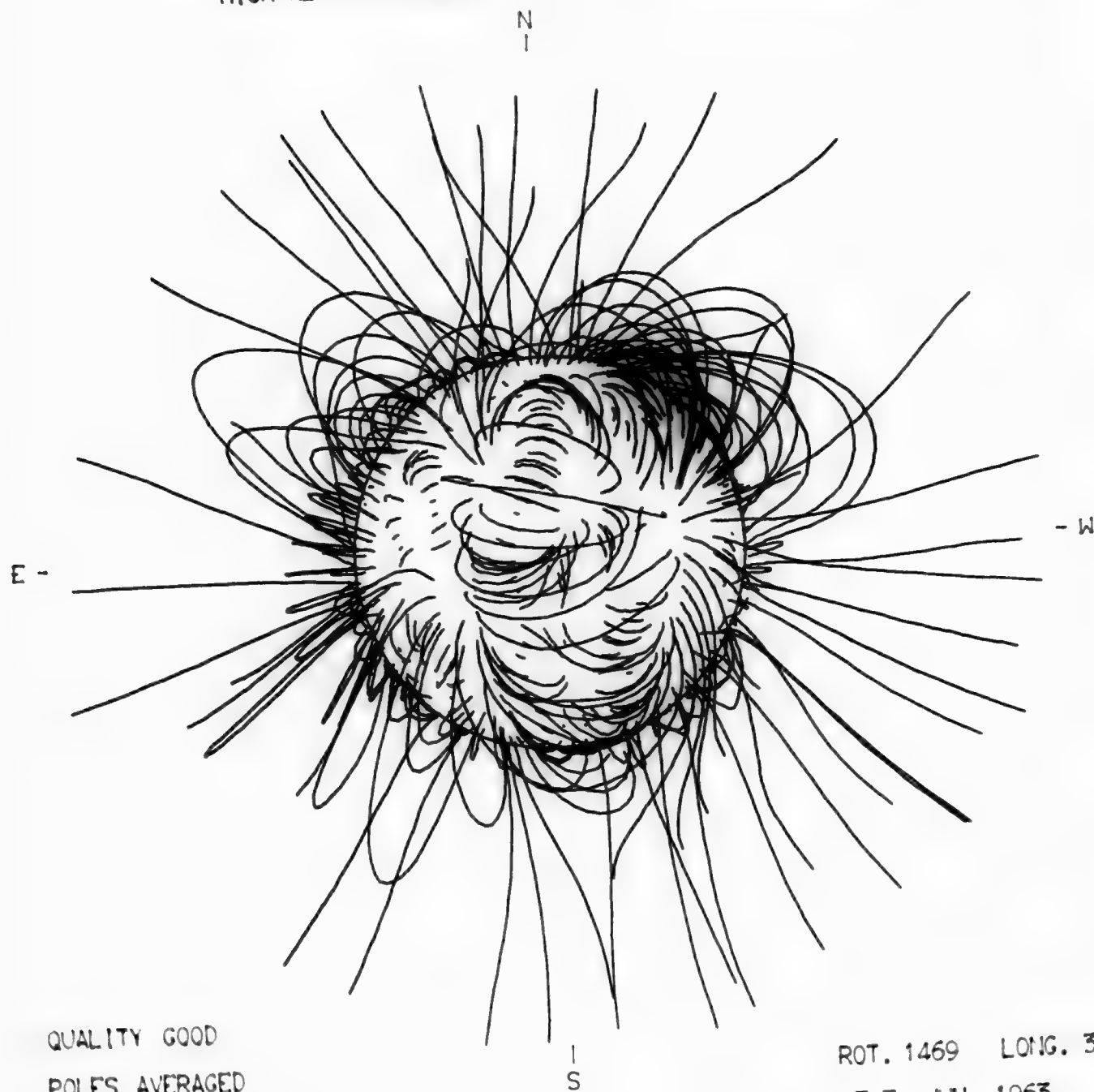
DATA WINDOW 1468.72

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ROT. 1468 LONG. 0°

27.0 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

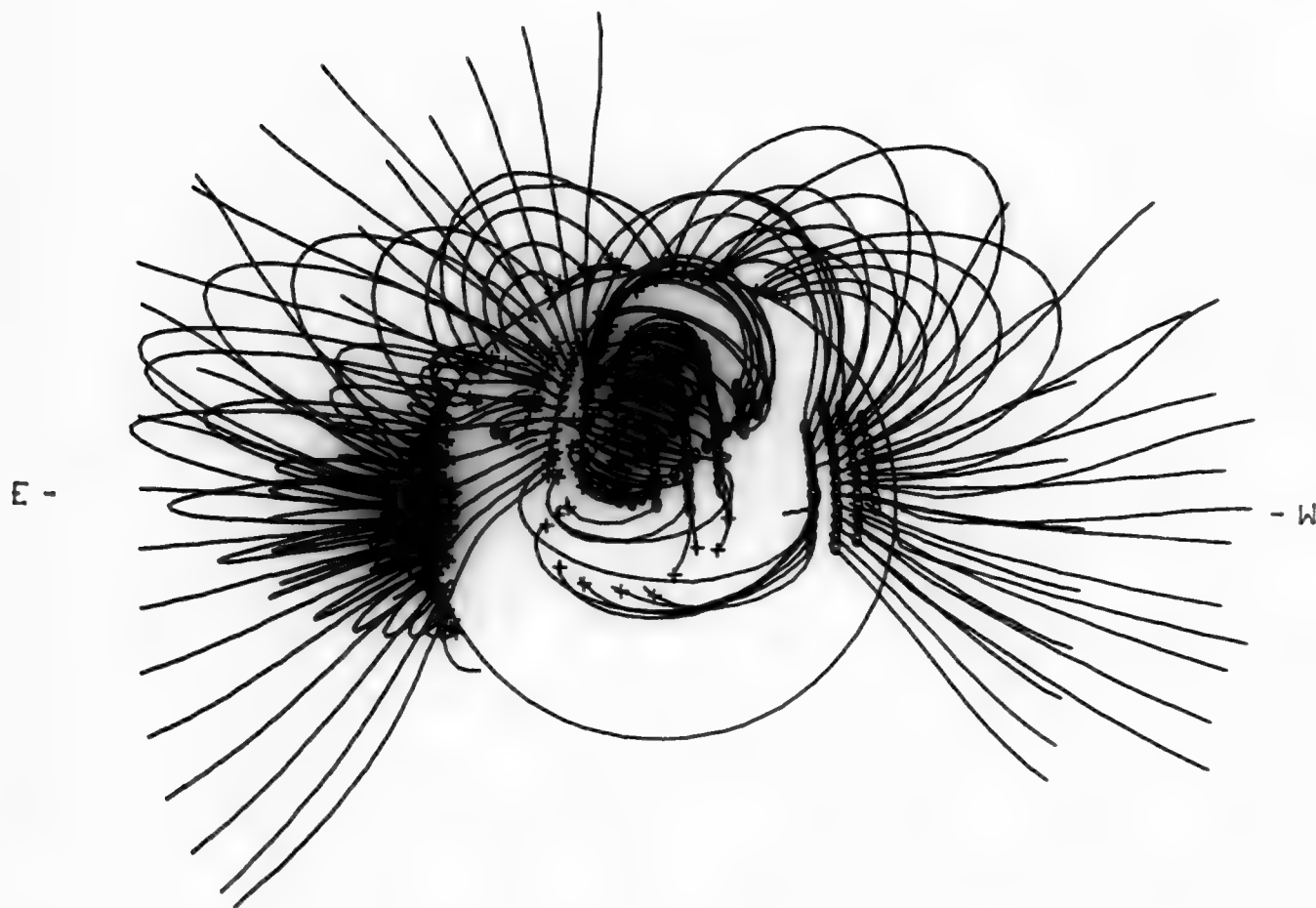


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

ROT. 1469 LONG. 350°
27.7 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

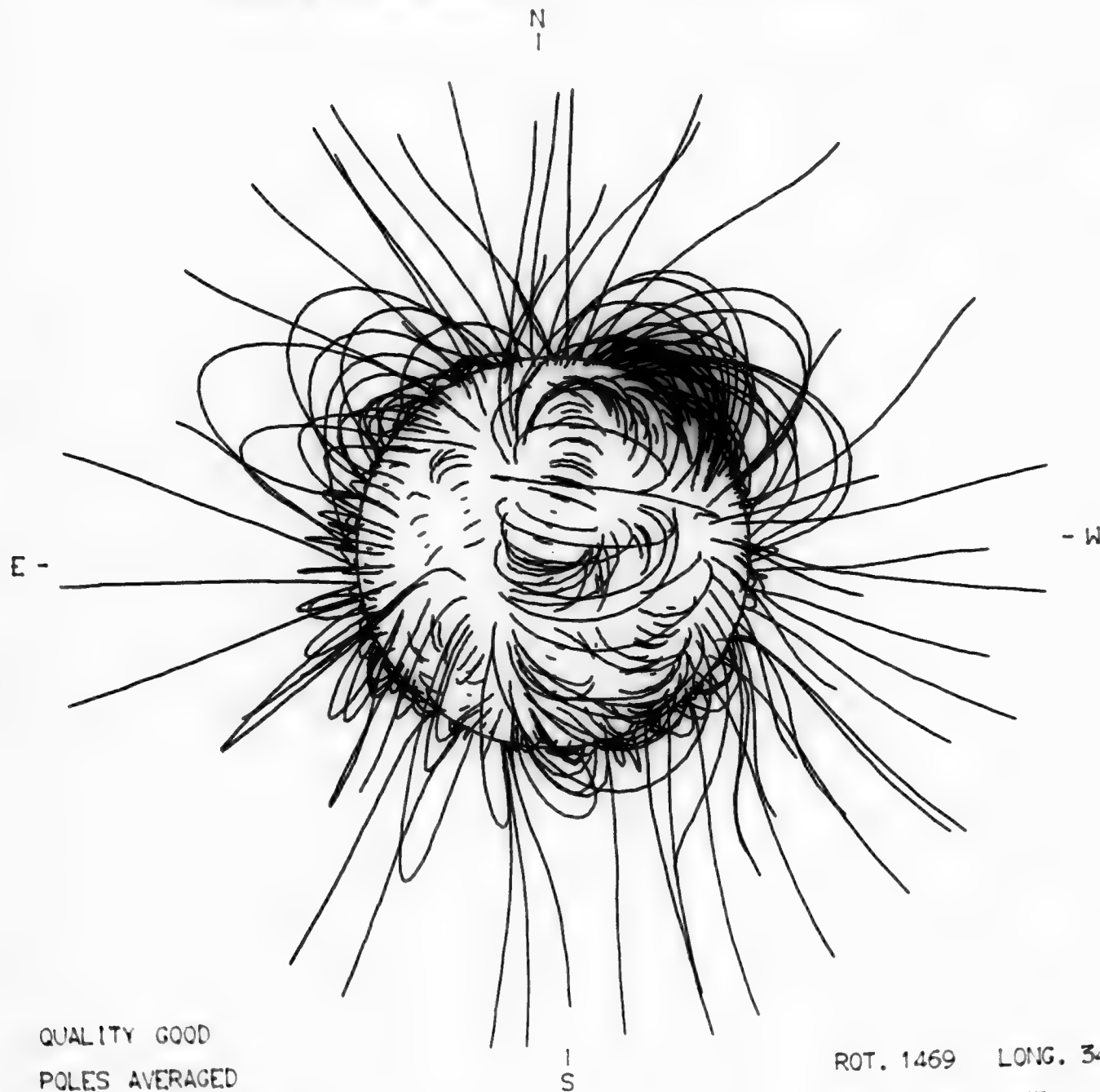
DATA WINDOW 1468.72

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ROT. 1469 LONG. 350°

27.7 JUN 1963

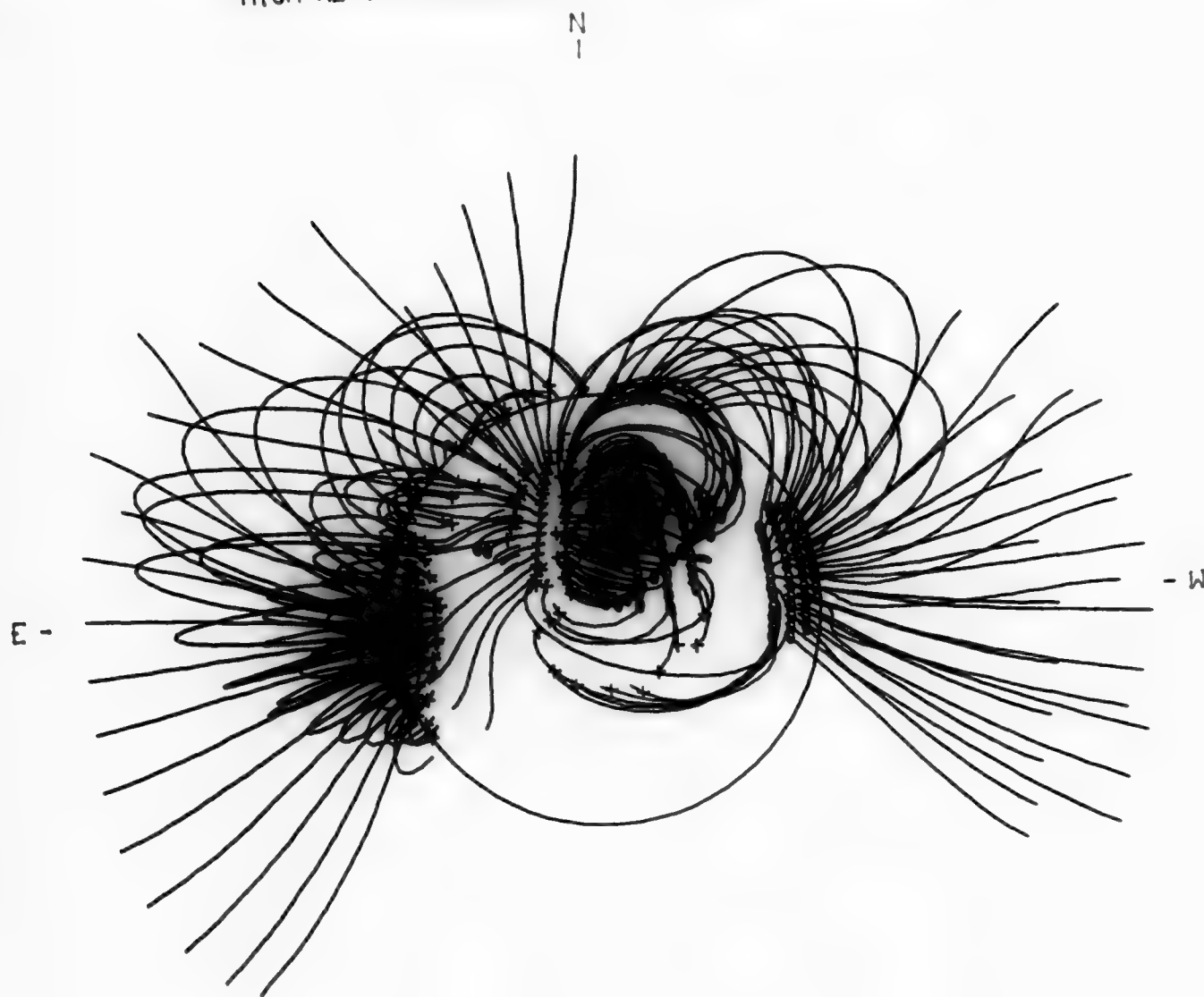
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

ROT. 1469 LONG. 340°
28.5 JUN 1963

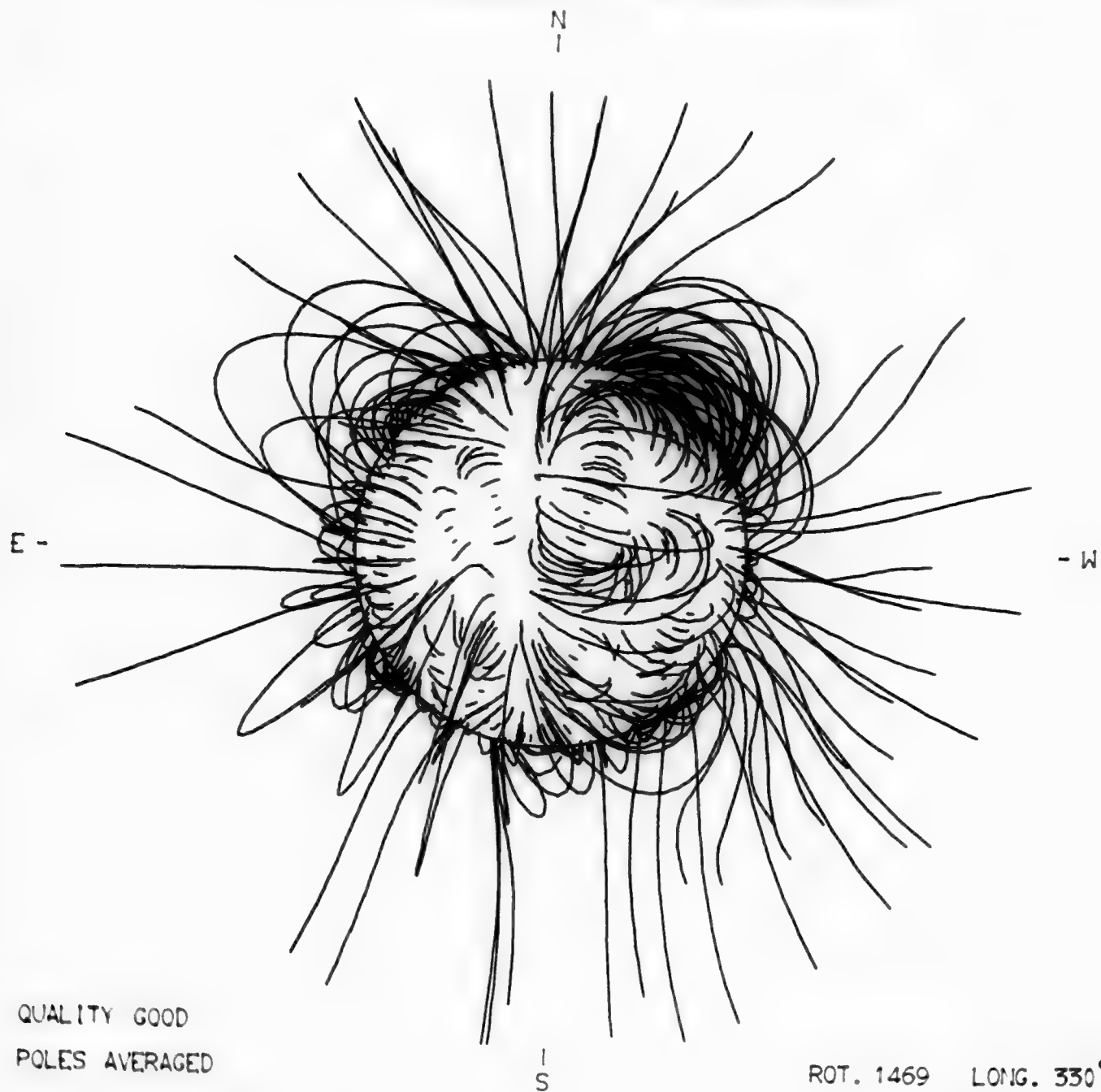
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

ROT. 1469 LONG. 340°
28.5 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

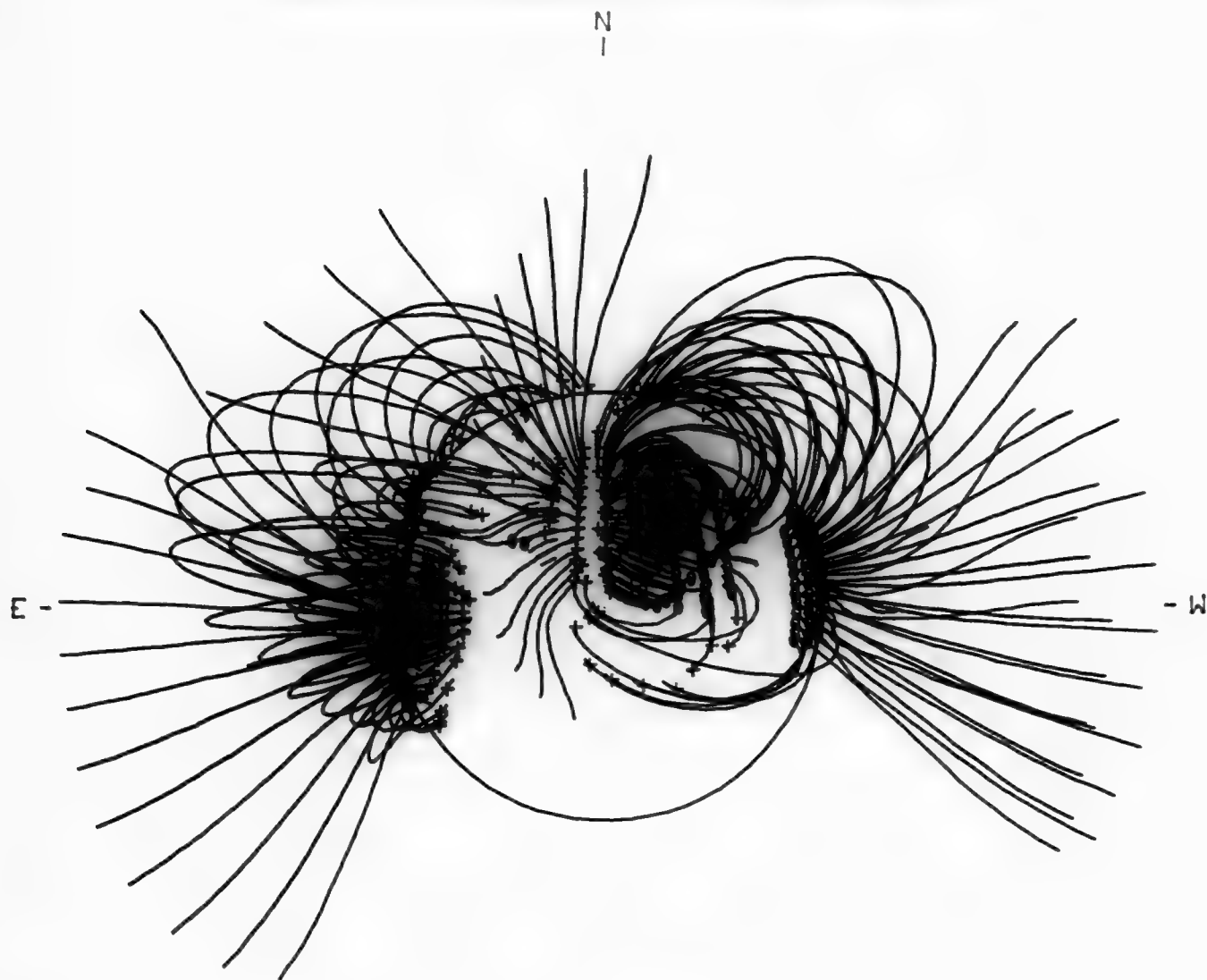
POLES AVERAGED

DATA WINDOW 1468.72

ROT. 1469 LONG. 330°

29.3 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

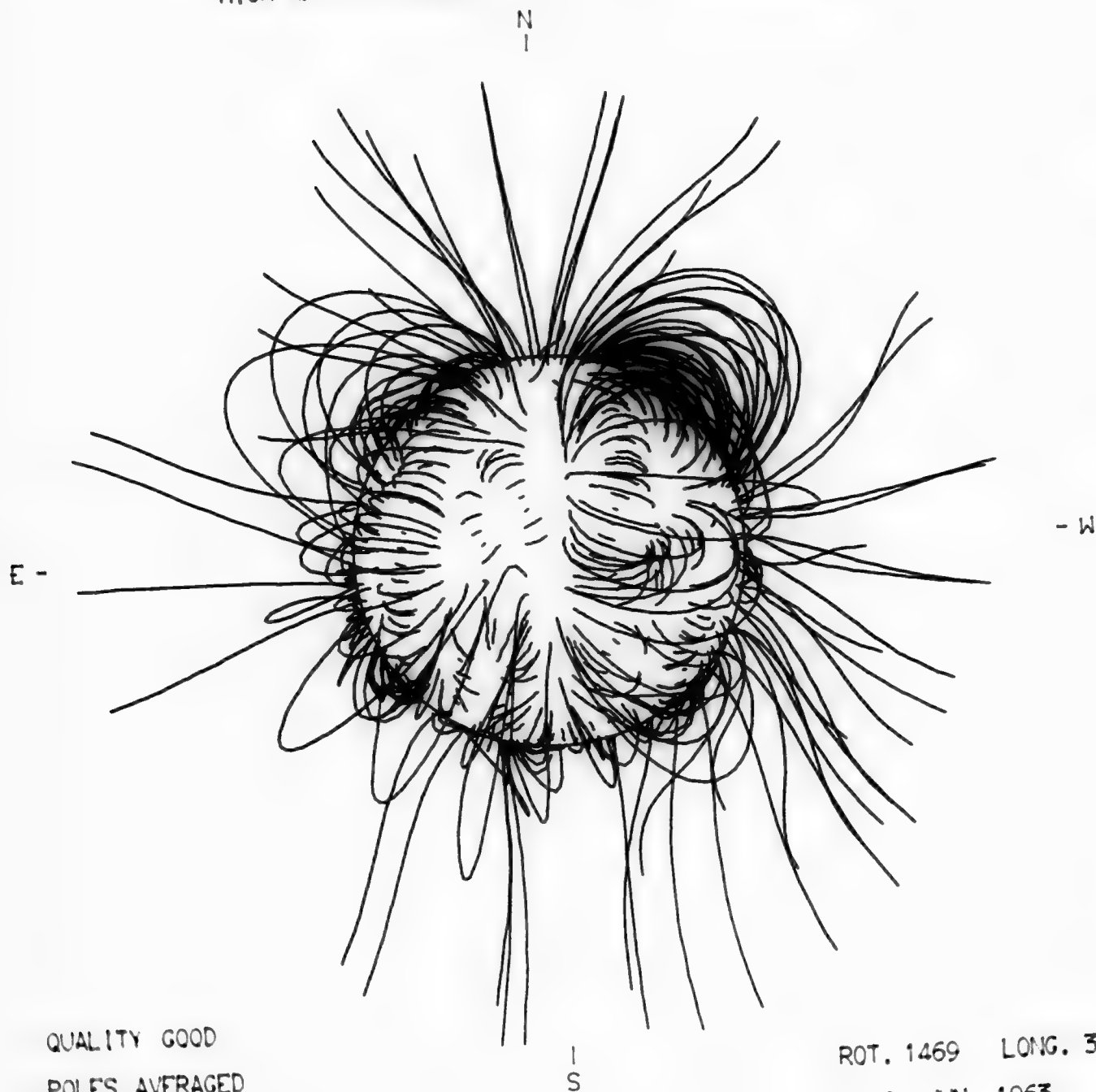
DATA WINDOW 1468.72

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ROT. 1469 LONG. 330°

29.3 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

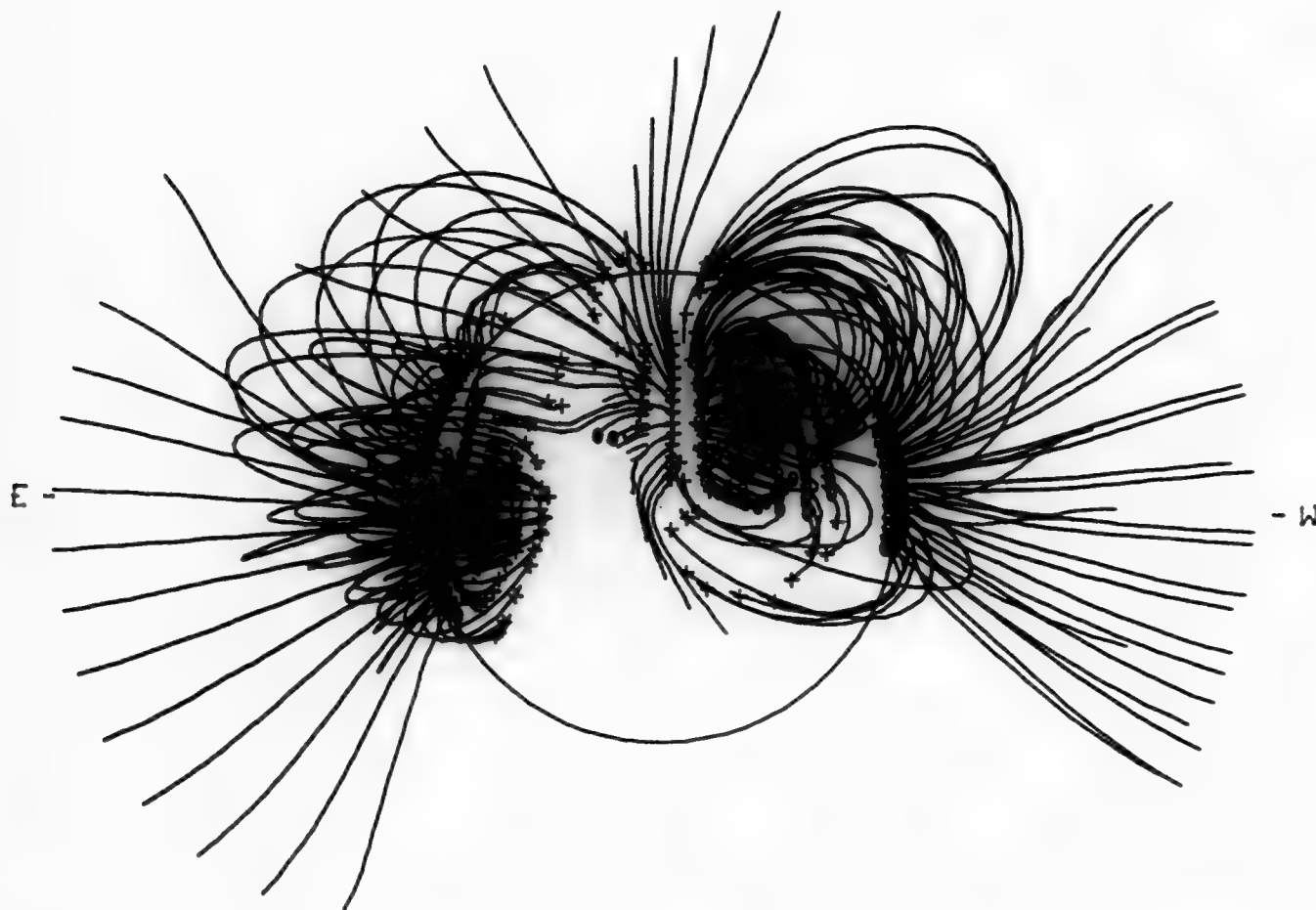


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

ROT. 1469 LONG. 320°
30.0 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

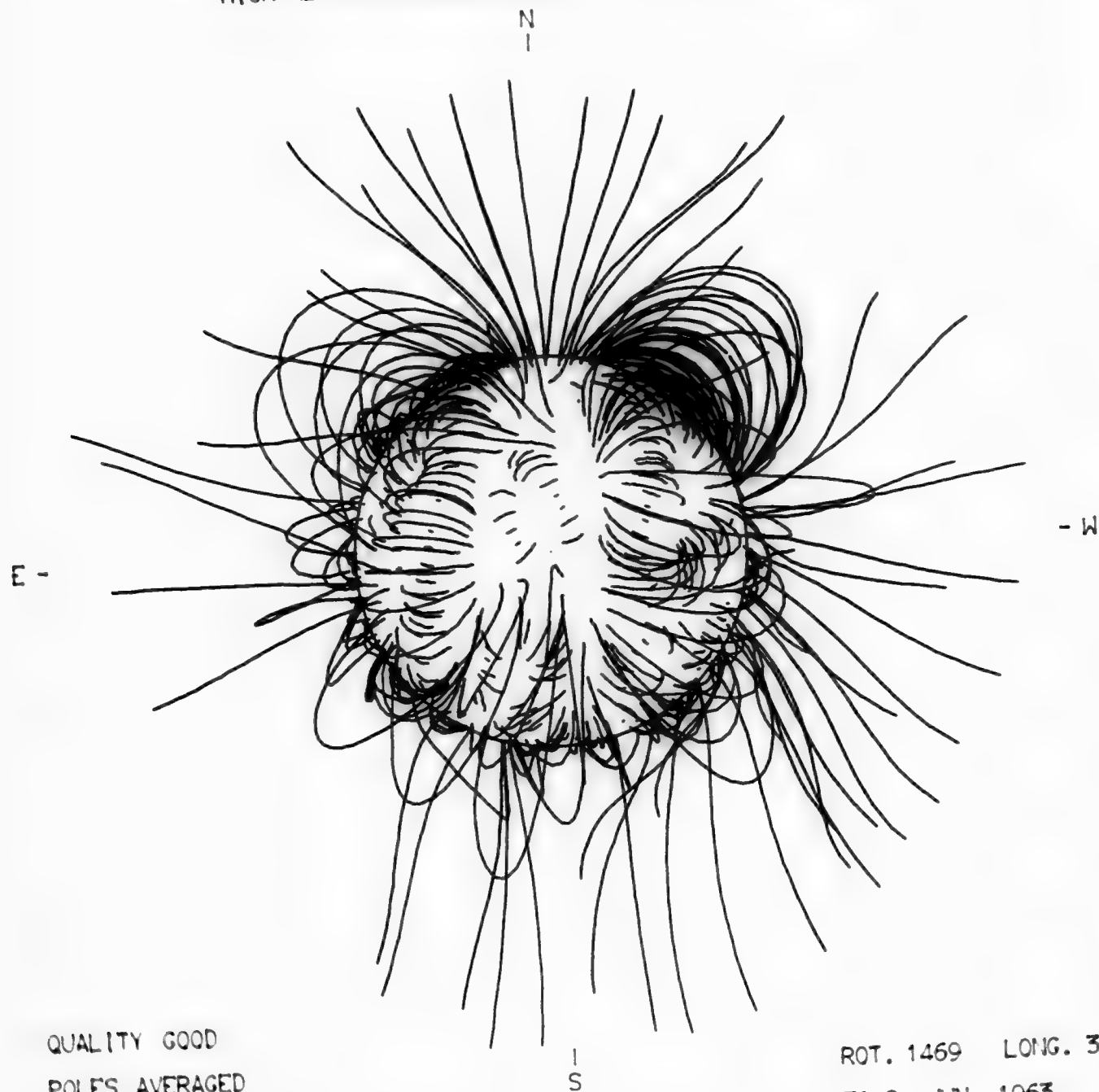
DATA WINDOW 1468.72

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ROT. 1469 LONG. 320°

30.0 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

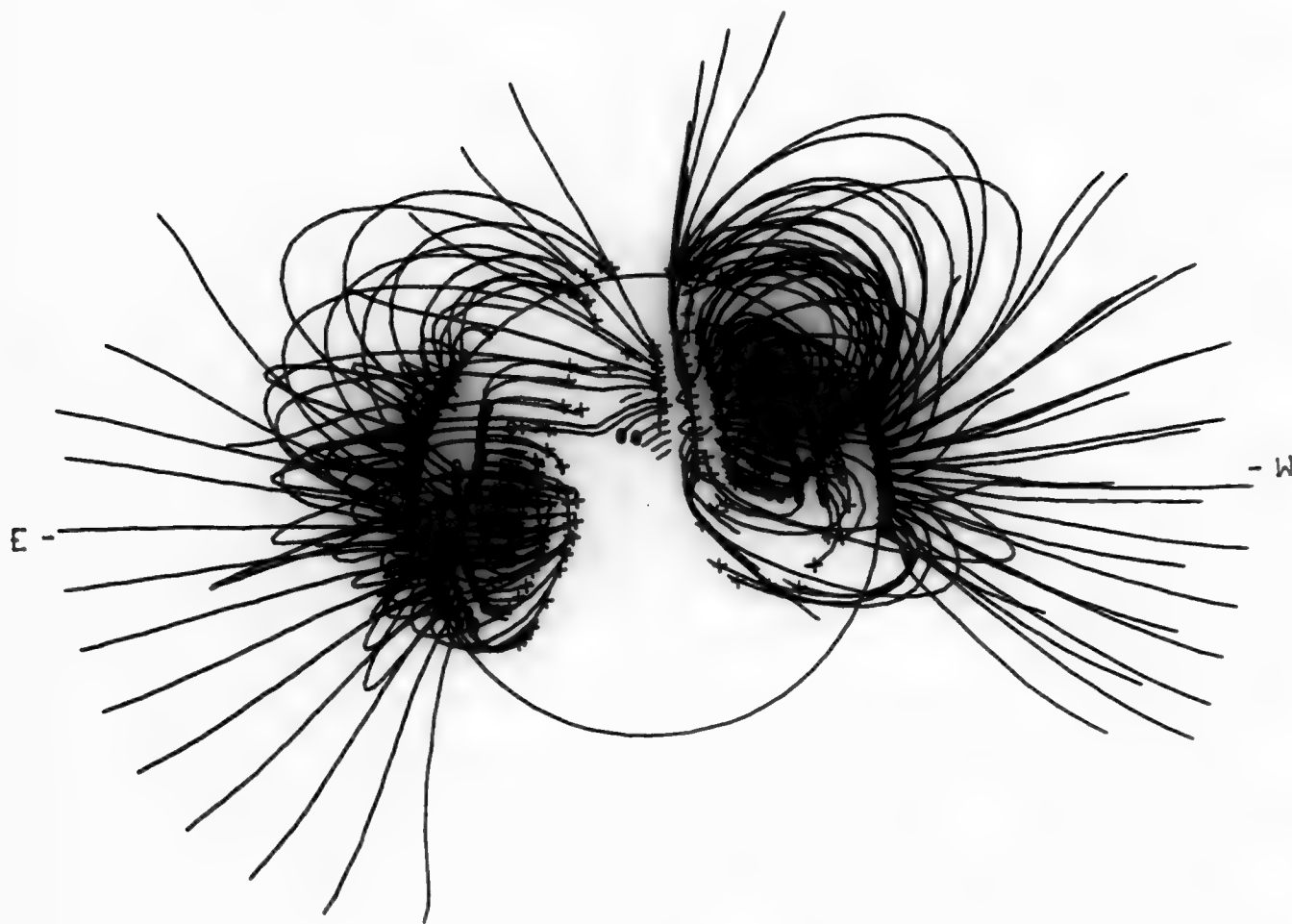


QUALITY GOOD
POLE'S AVERAGED
DATA WINDOW 1468.72

ROT. 1469 LONG. 310°
30.8 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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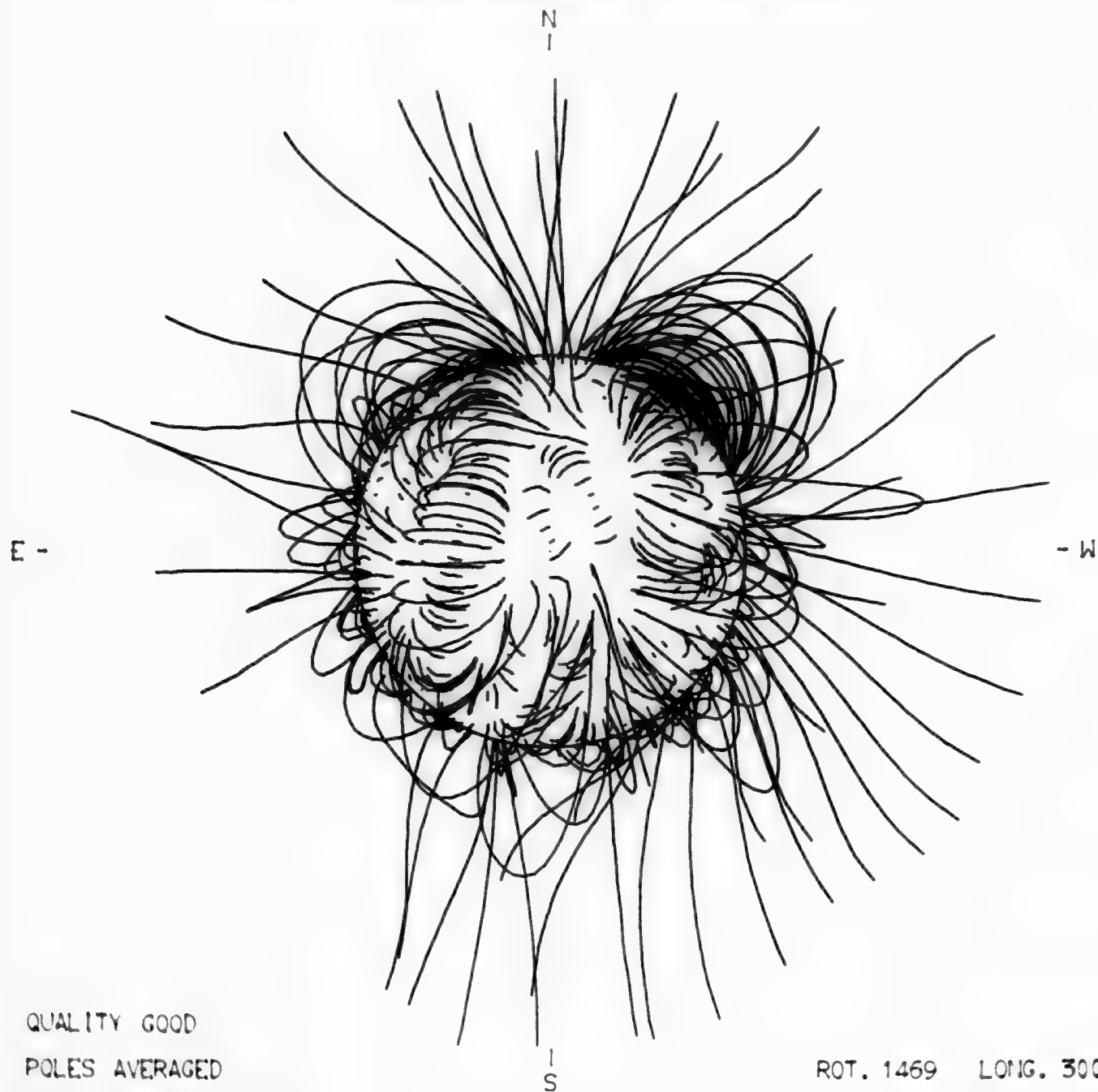


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

I
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ROT. 1469 LONG. 310°
30.8 JUN 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

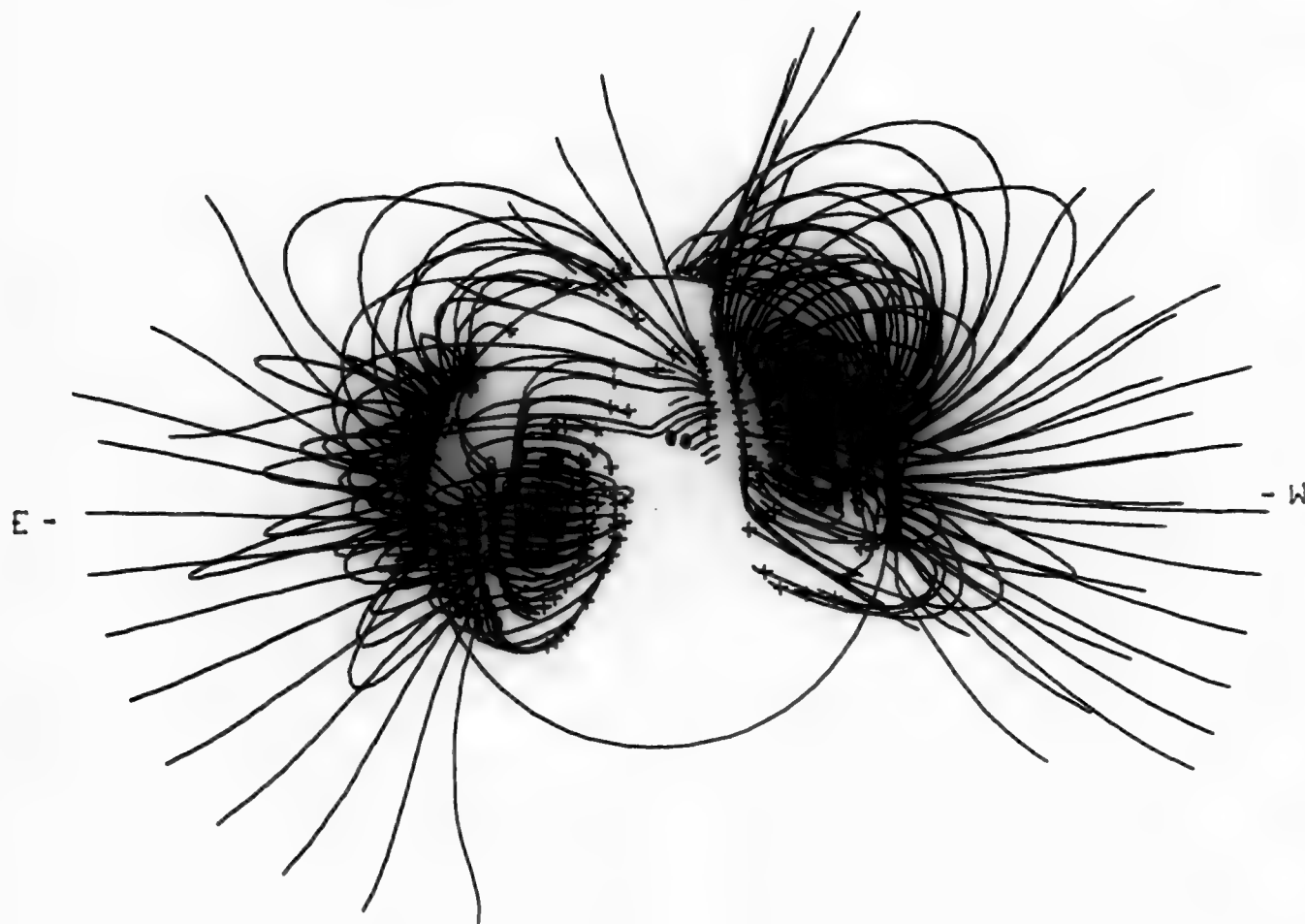
DATA WINDOW 1468.72

ROT. 1469 LONG. 300°

1.5 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

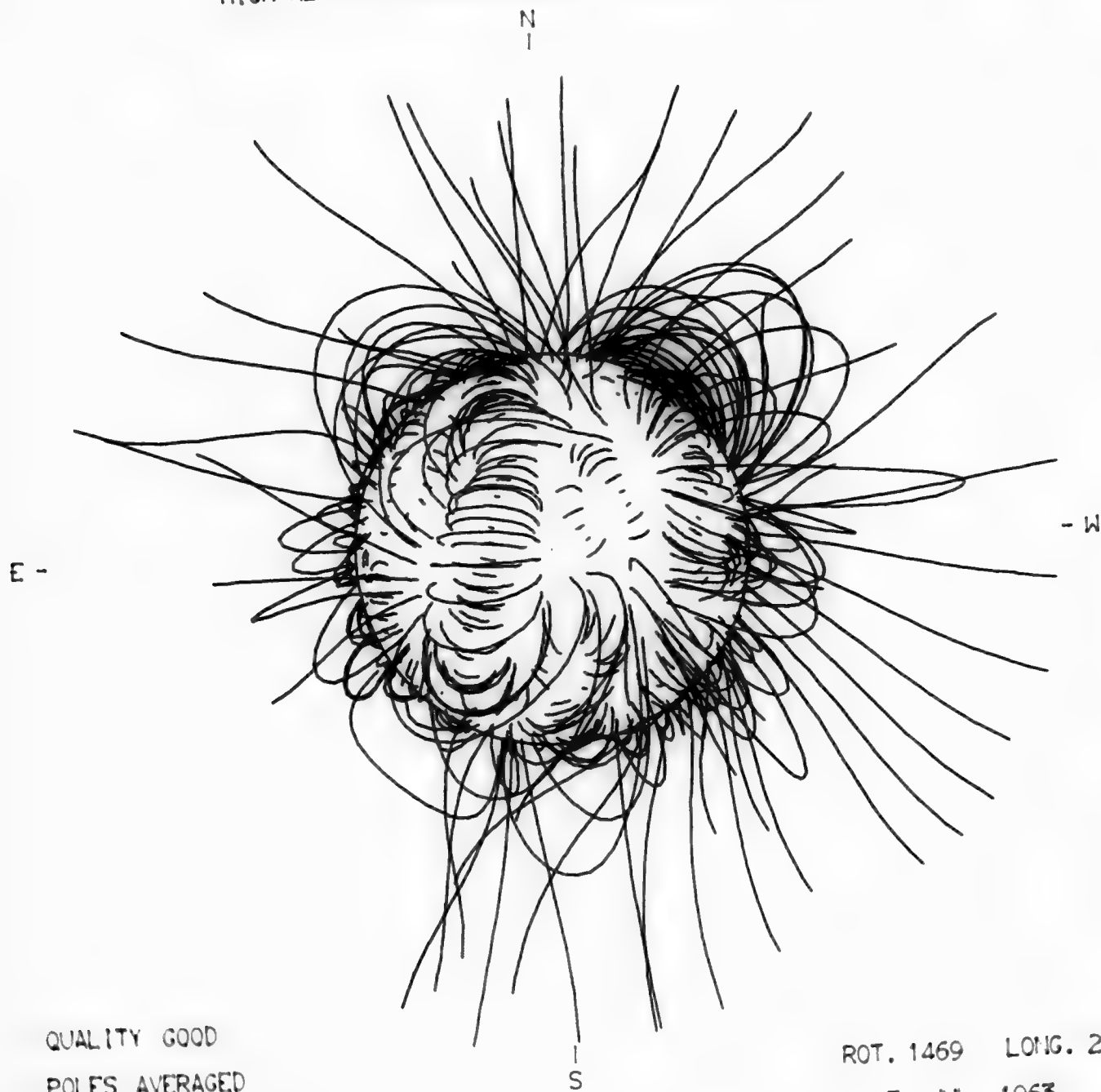
DATA WINDOW 1468.72

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ROT. 1469 LONG. 300°

1.5 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

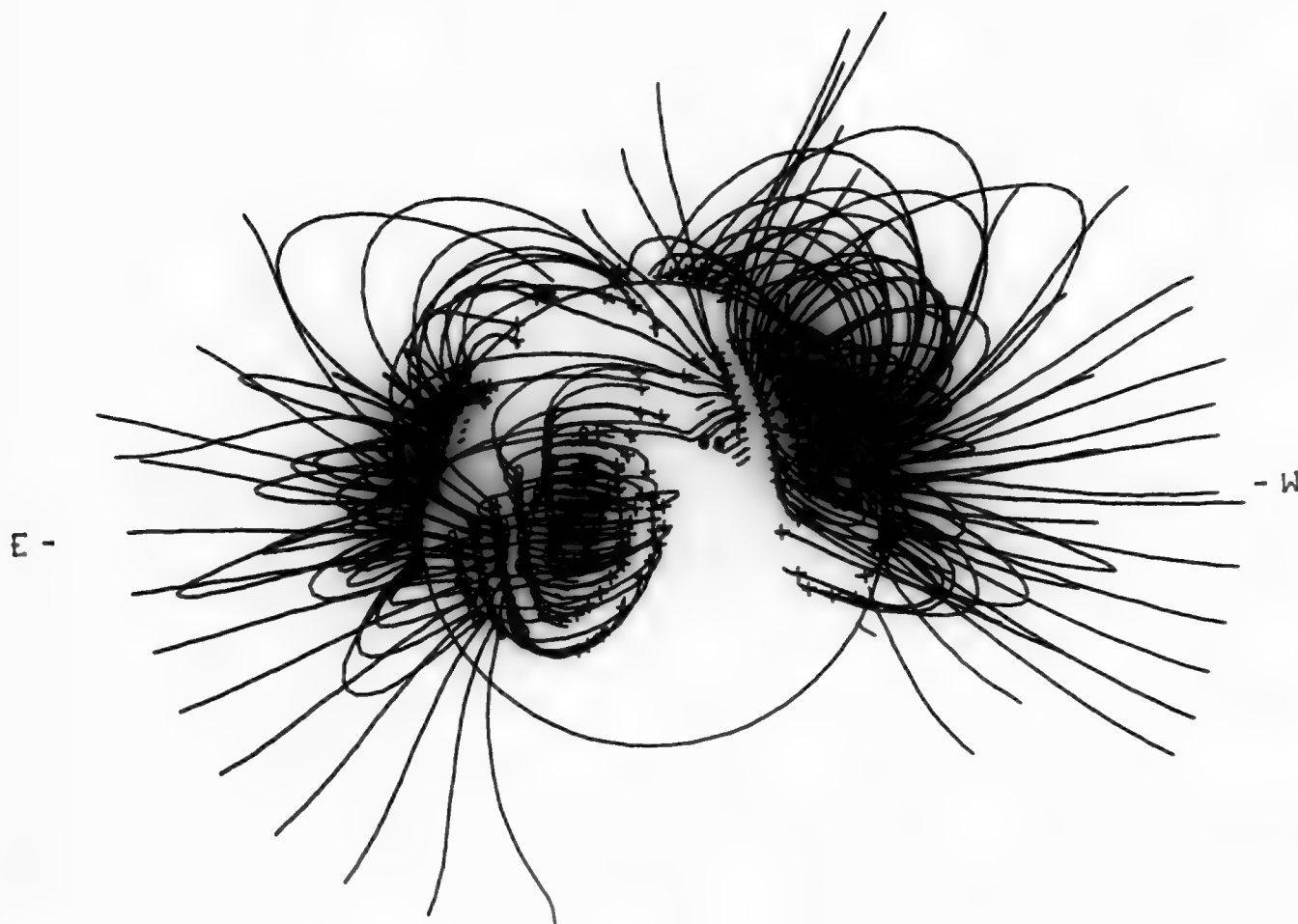


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

ROT. 1469 LONG. 290°
2.3 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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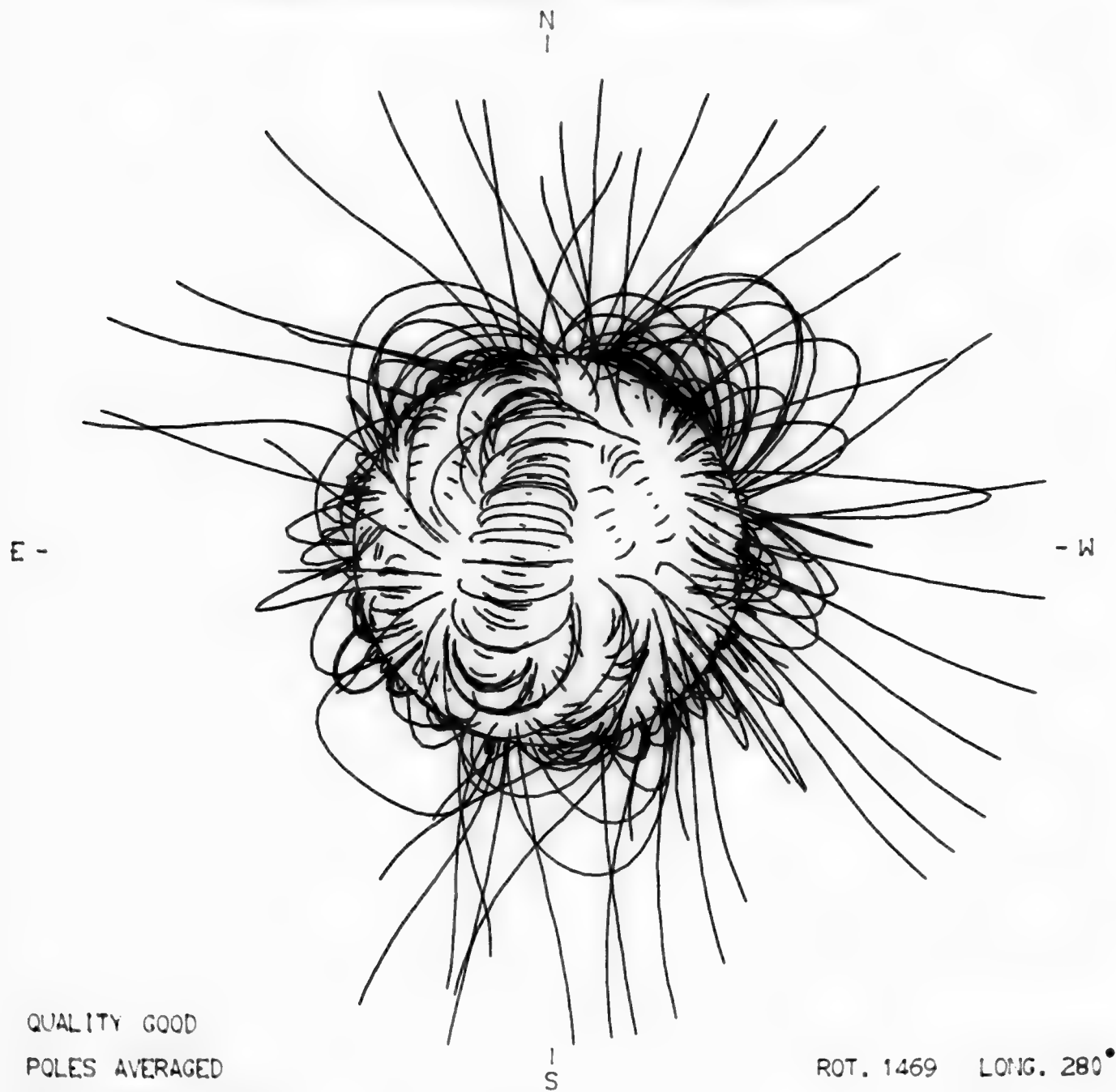


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

I
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ROT. 1469 LONG. 290°
2.3 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

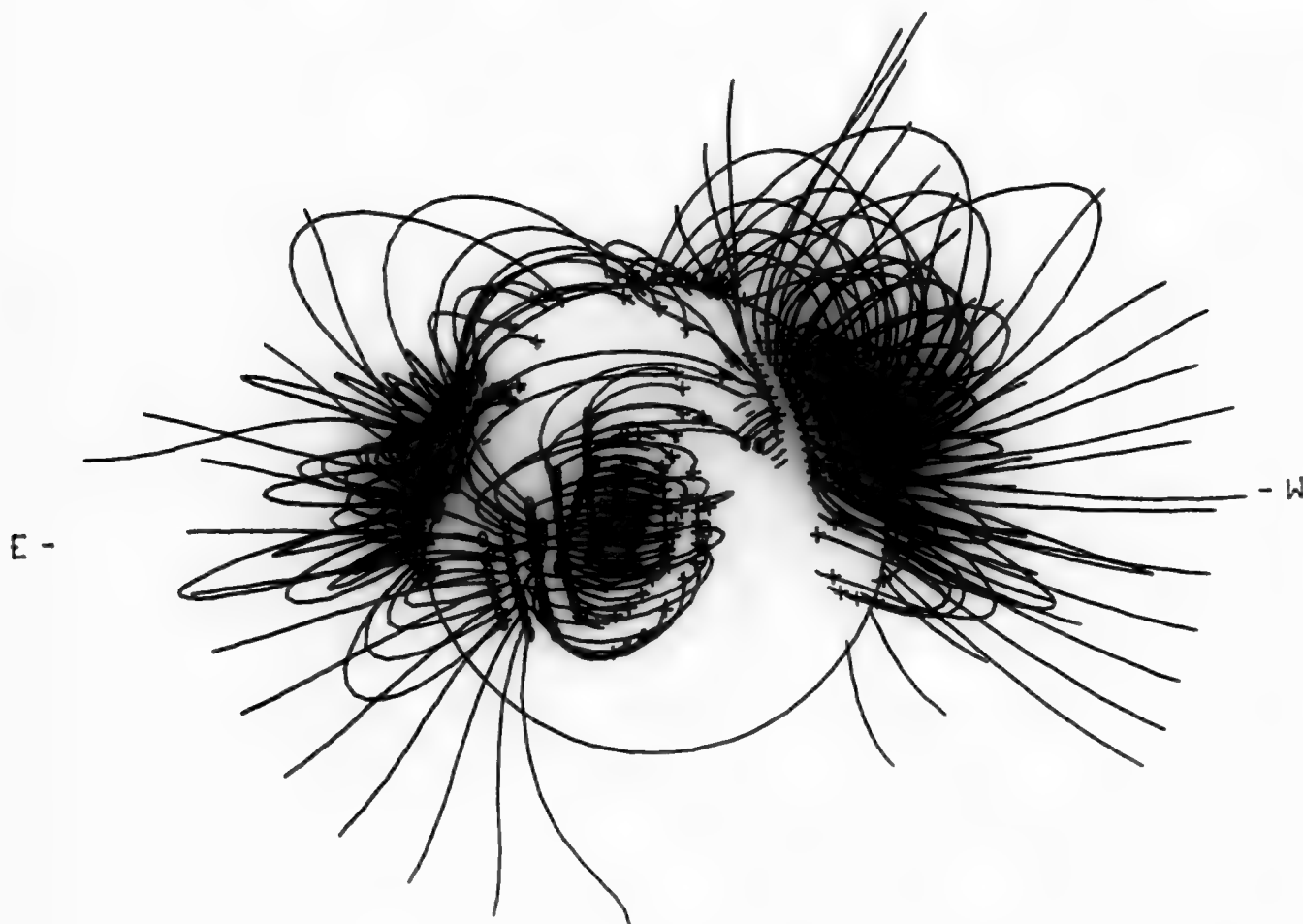
DATA WINDOW 1468.72

ROT. 1469 LONG. 280°

3.0 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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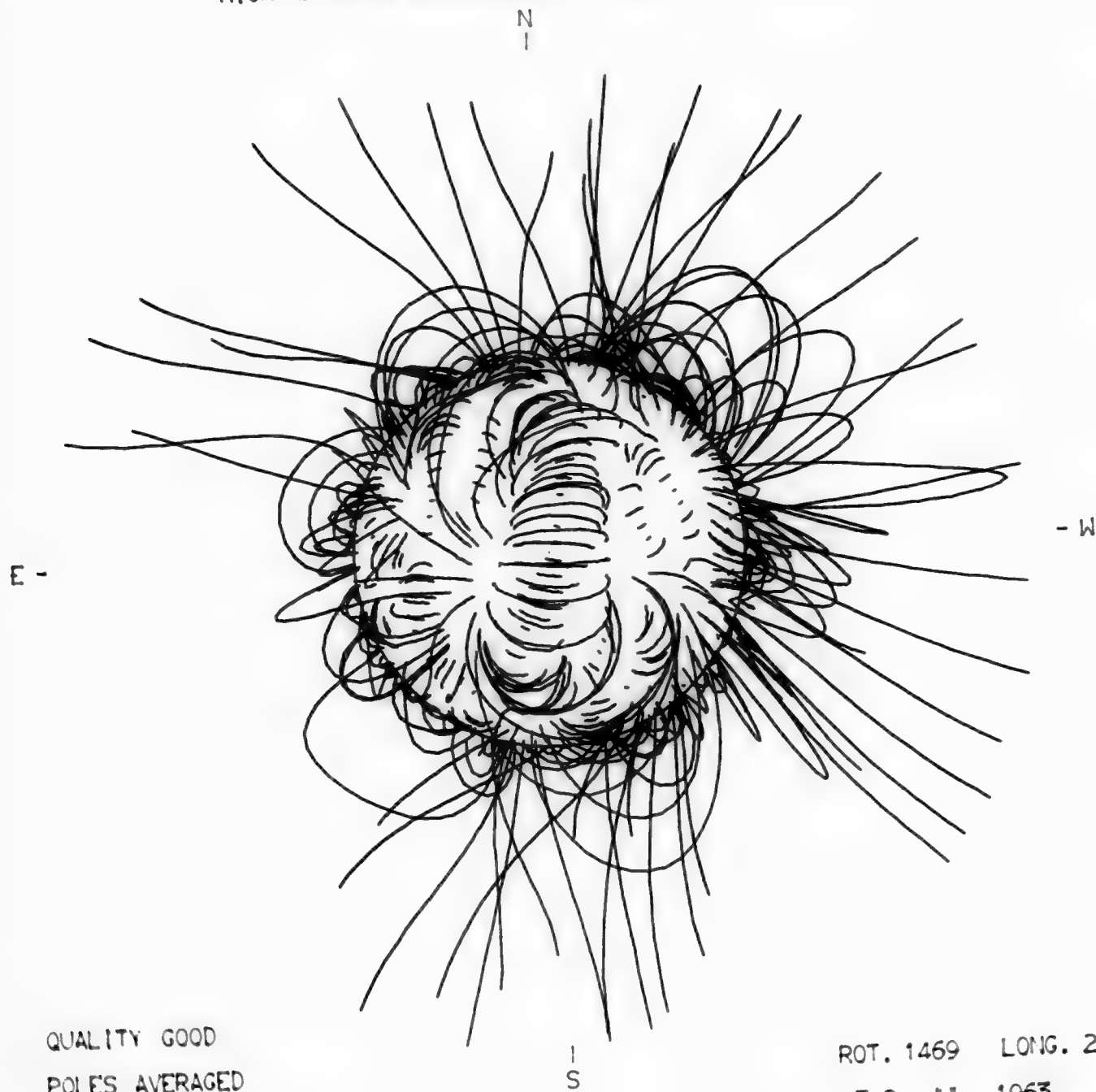


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

I
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ROT. 1469 LONG. 280°
3.0 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

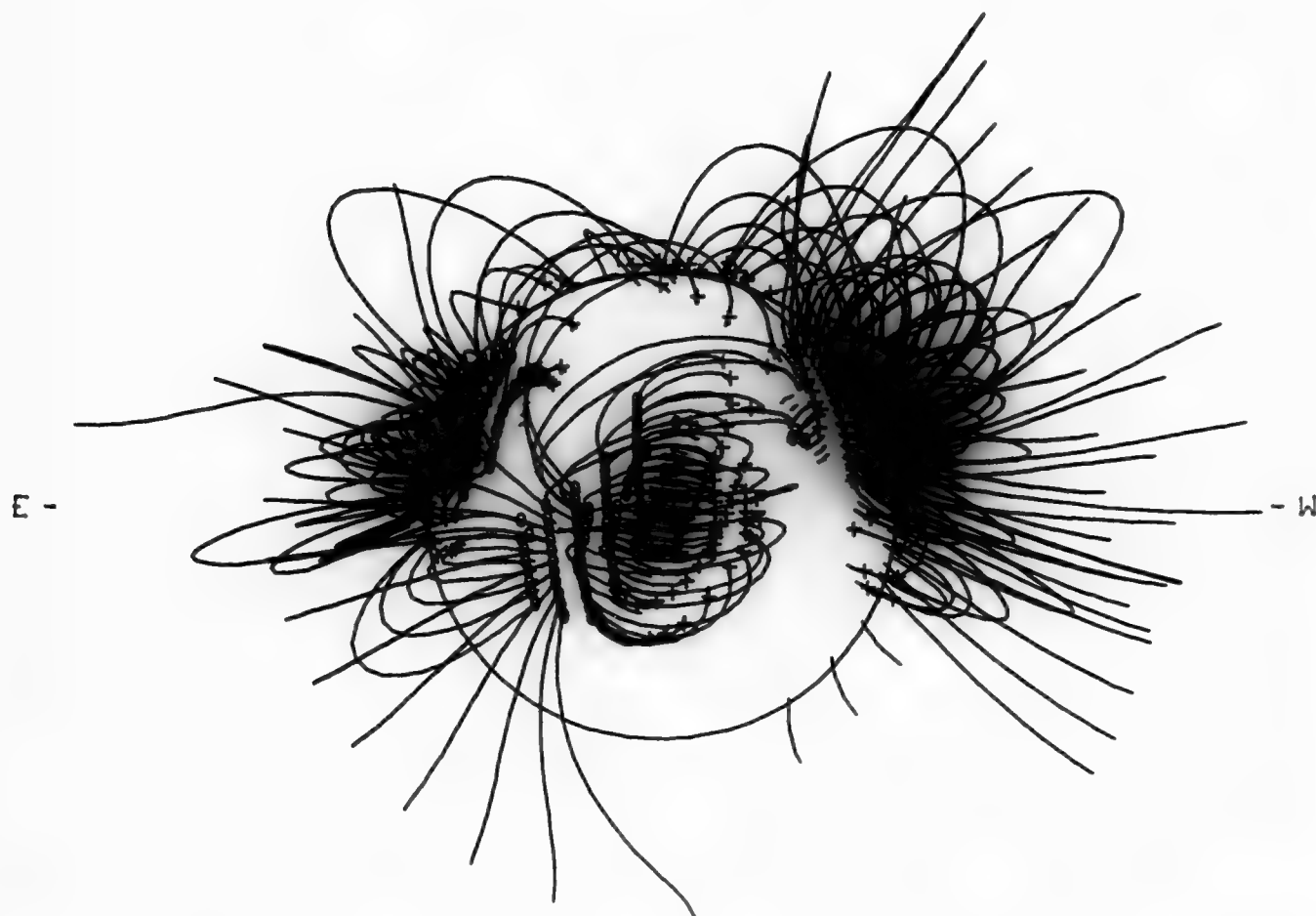


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1468.72

ROT. 1469 LONG. 270°
3.8 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

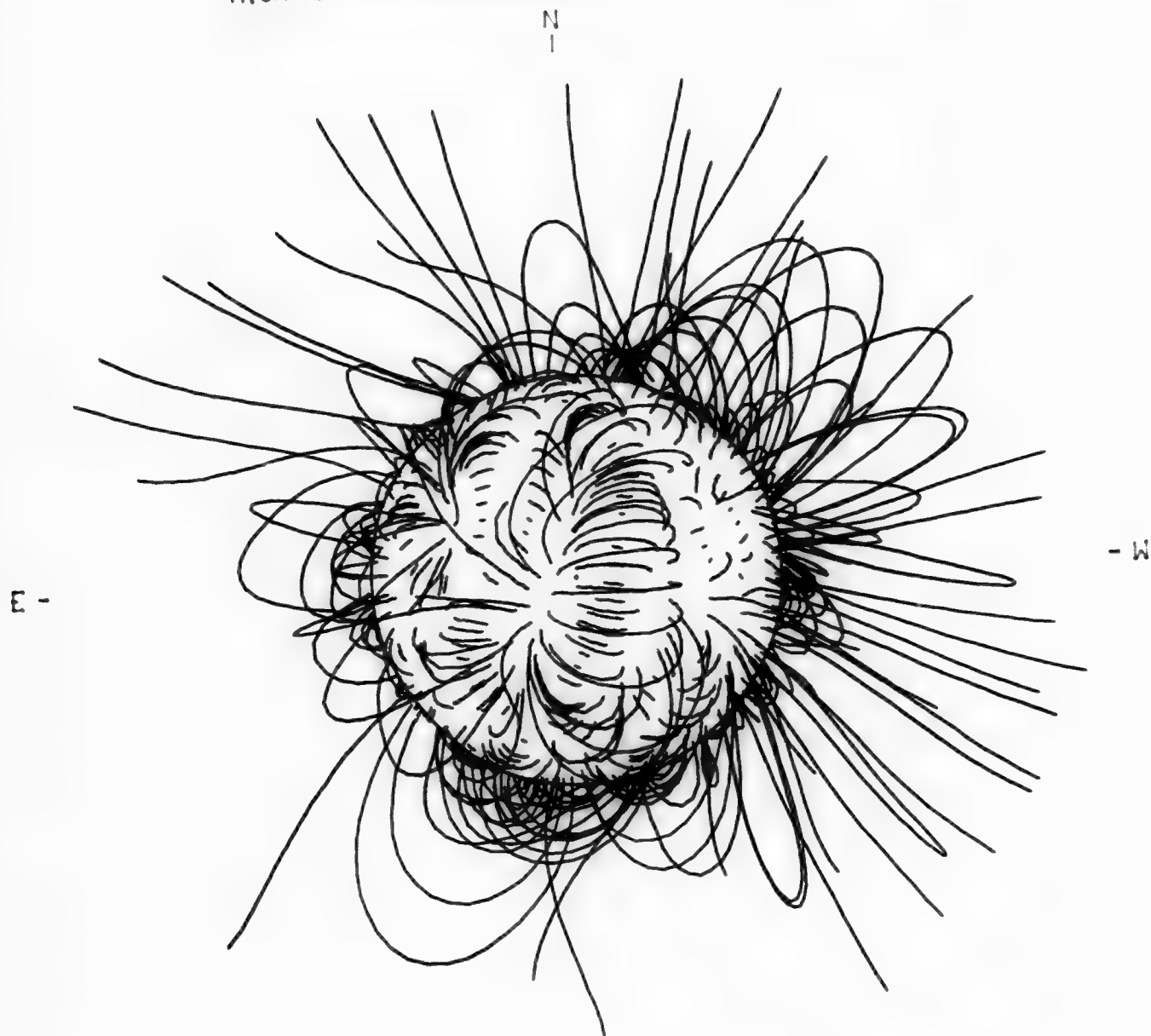
DATA WINDOW 1468.72

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ROT. 1469 LONG. 270°

3.8 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



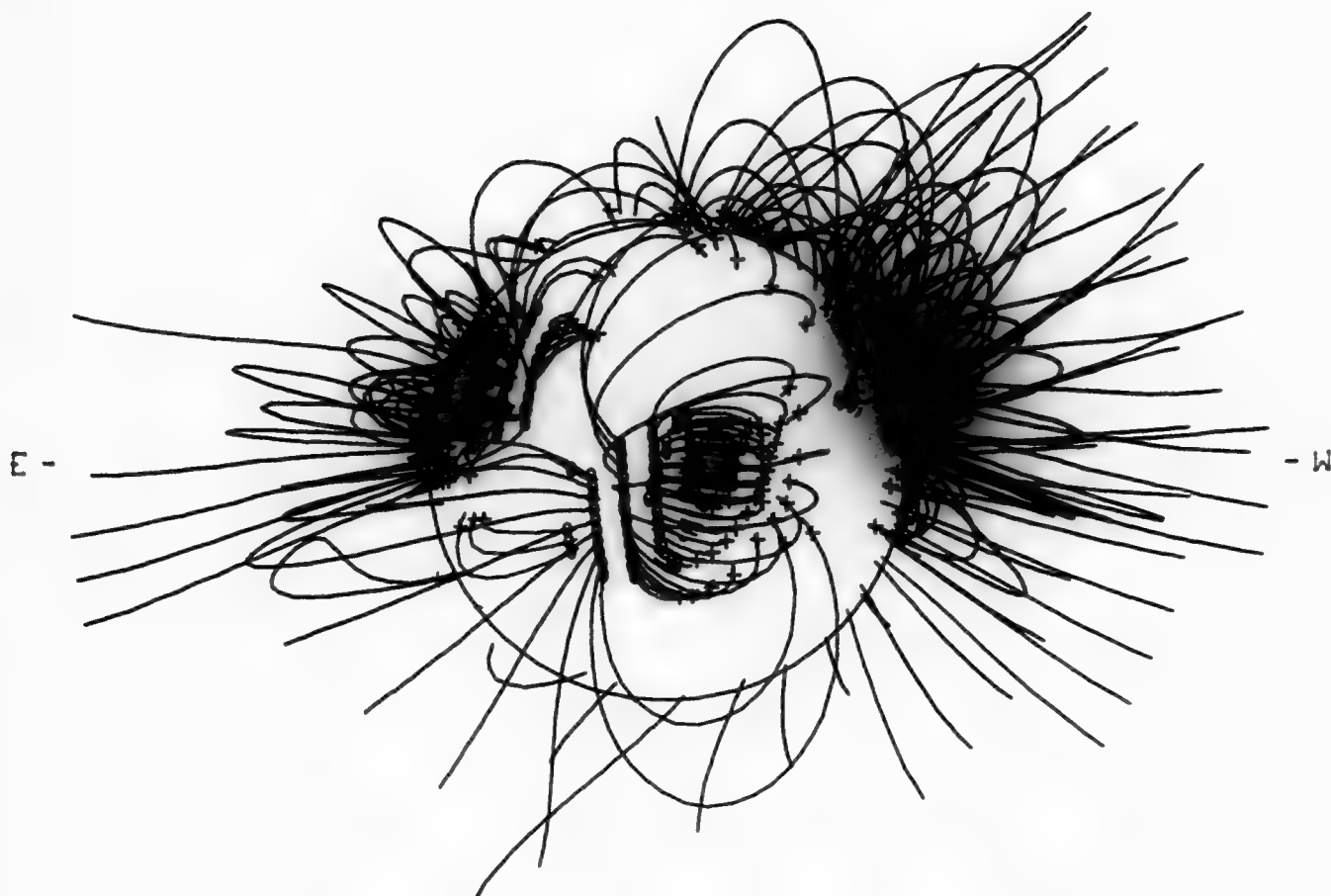
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

1
S

ROT. 1469 LONG. 250°
4.5 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

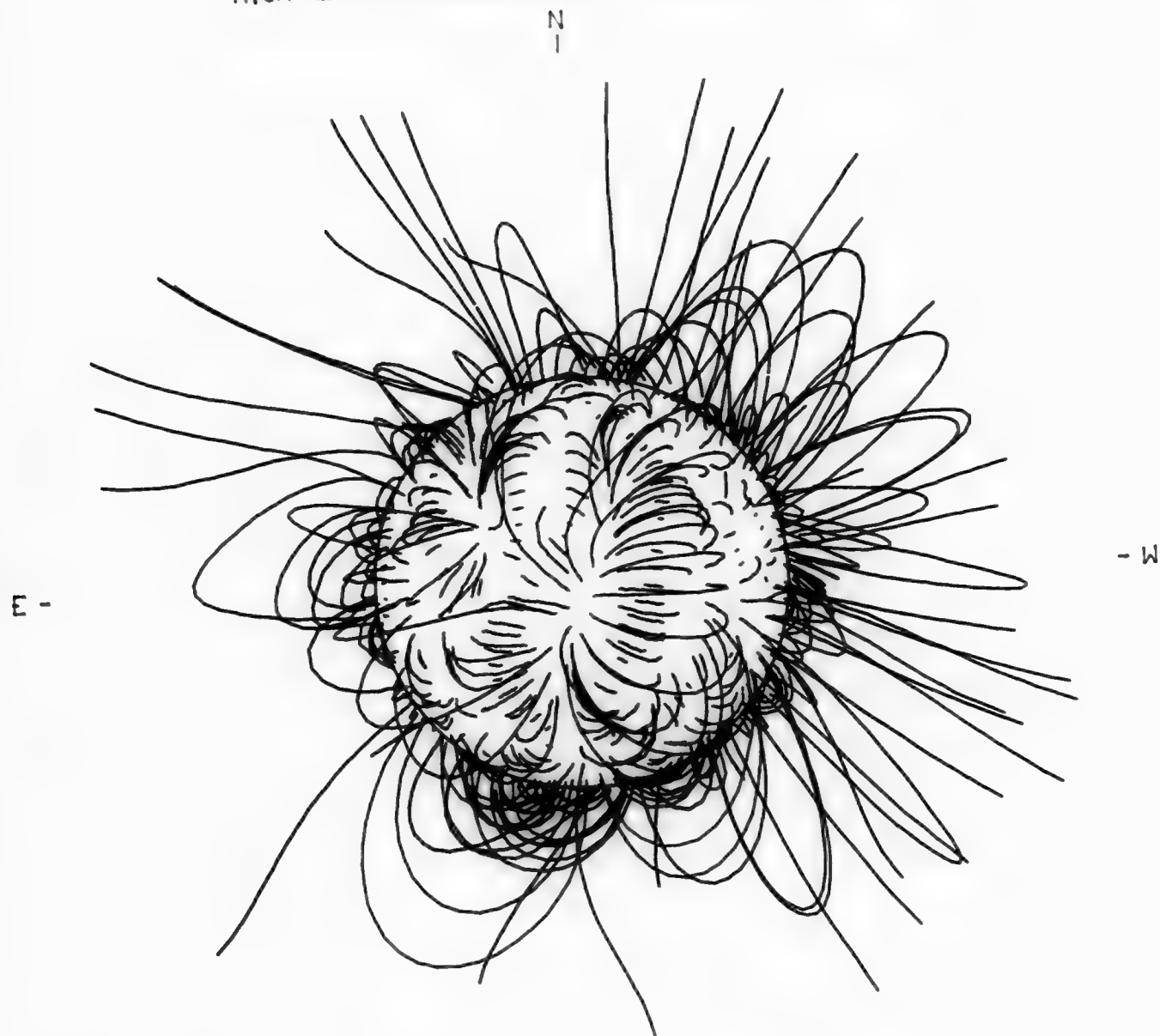
DATA WINDOW 1469.00

|
S

ROT. 1469 LONG. 260°

4.5 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



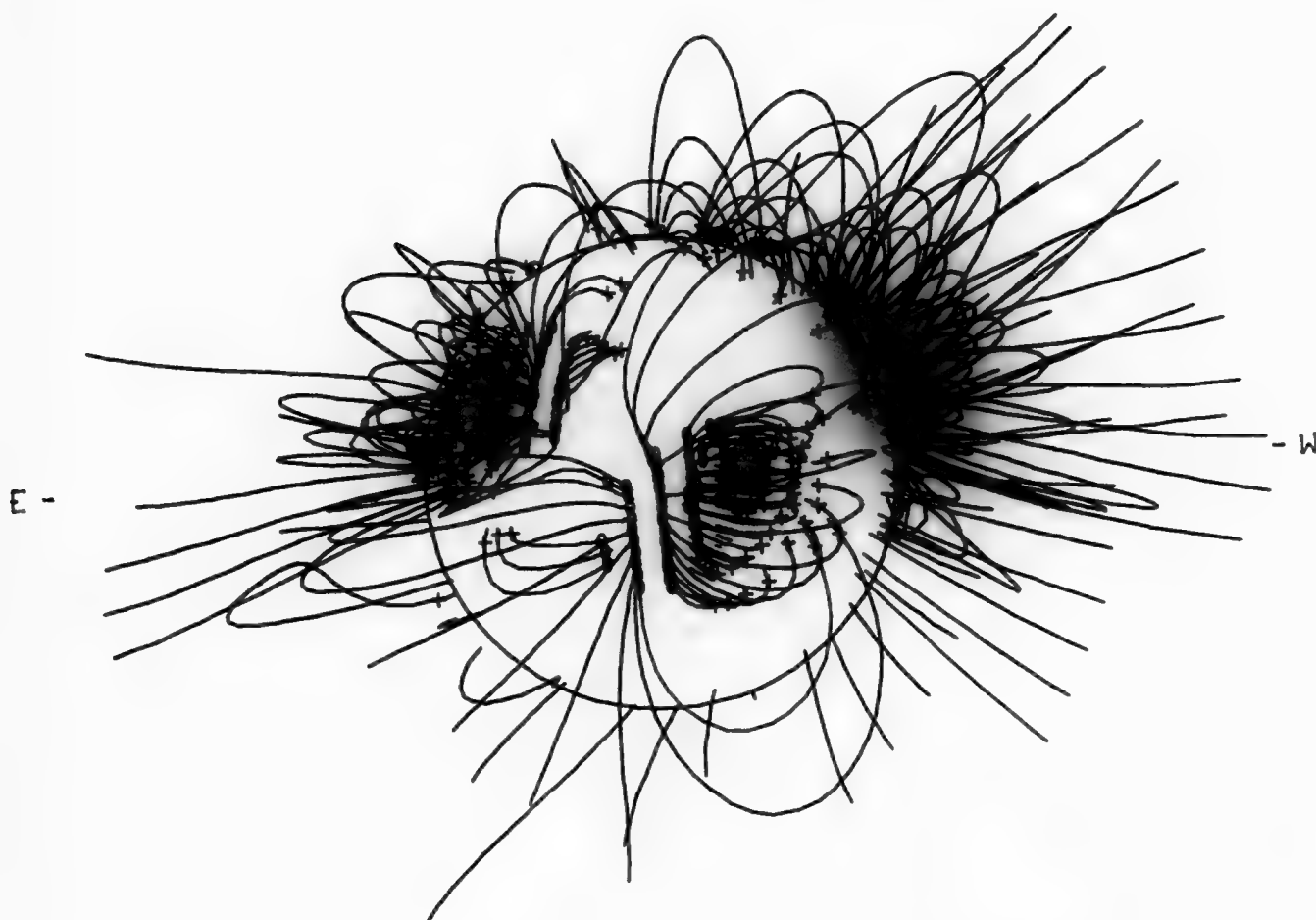
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

1
S

ROT. 1469 LONG. 250°
5.3 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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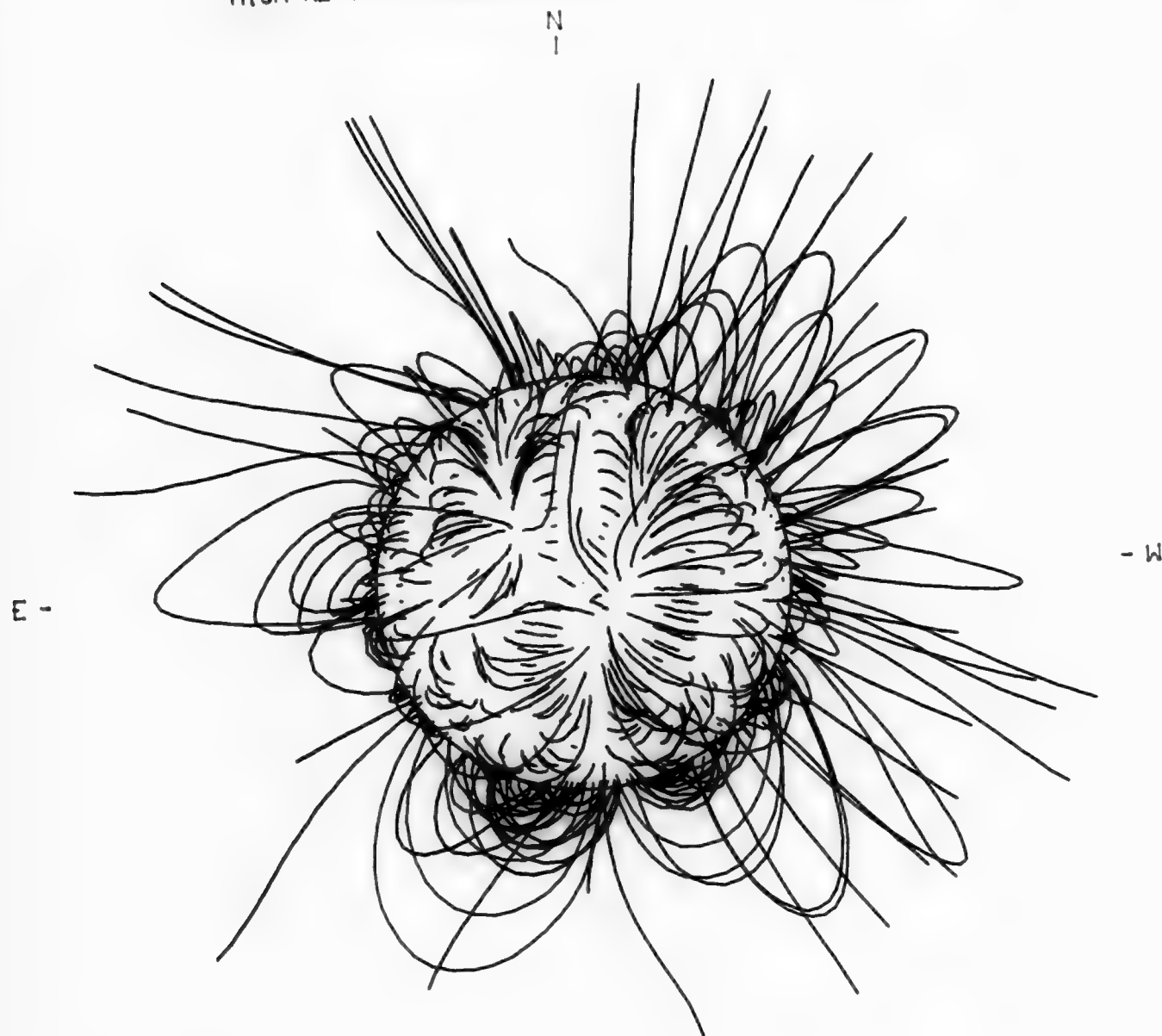


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

1
S

ROT. 1469 LONG. 250°
5.3 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



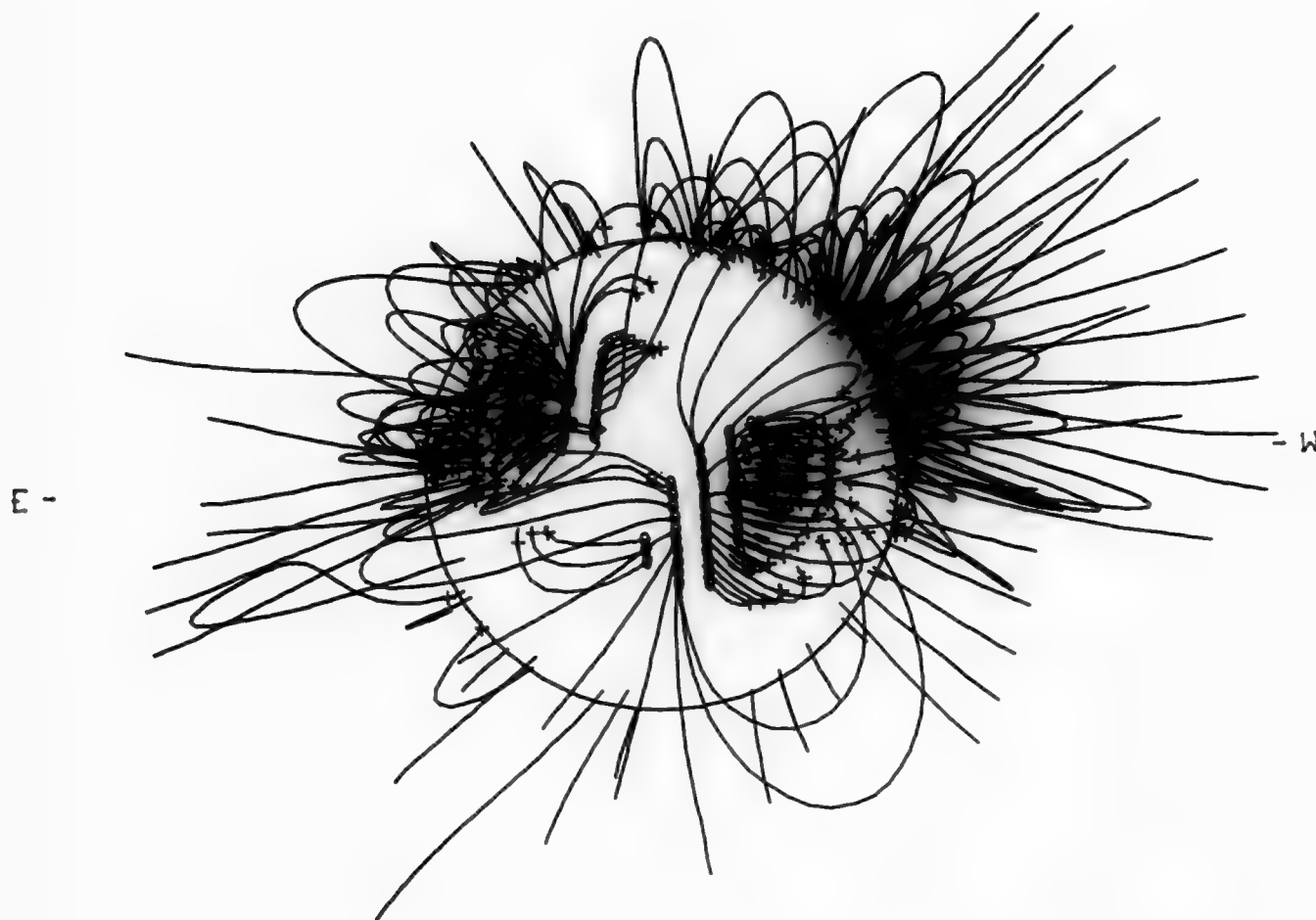
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

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S

ROT. 1469 LONG. 240°
6.1 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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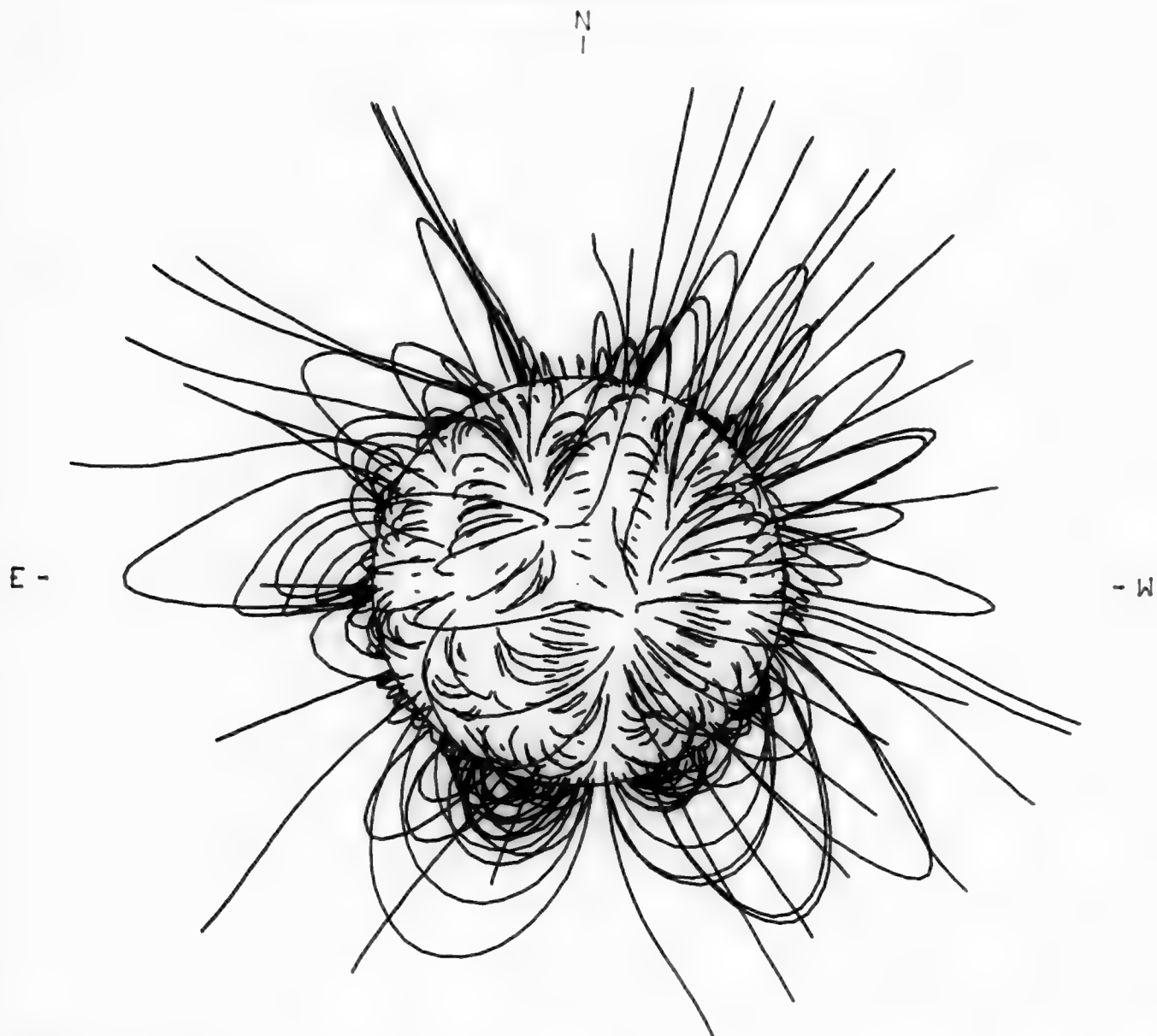


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

I
S

ROT. 1469 LONG. 240°
6.1 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



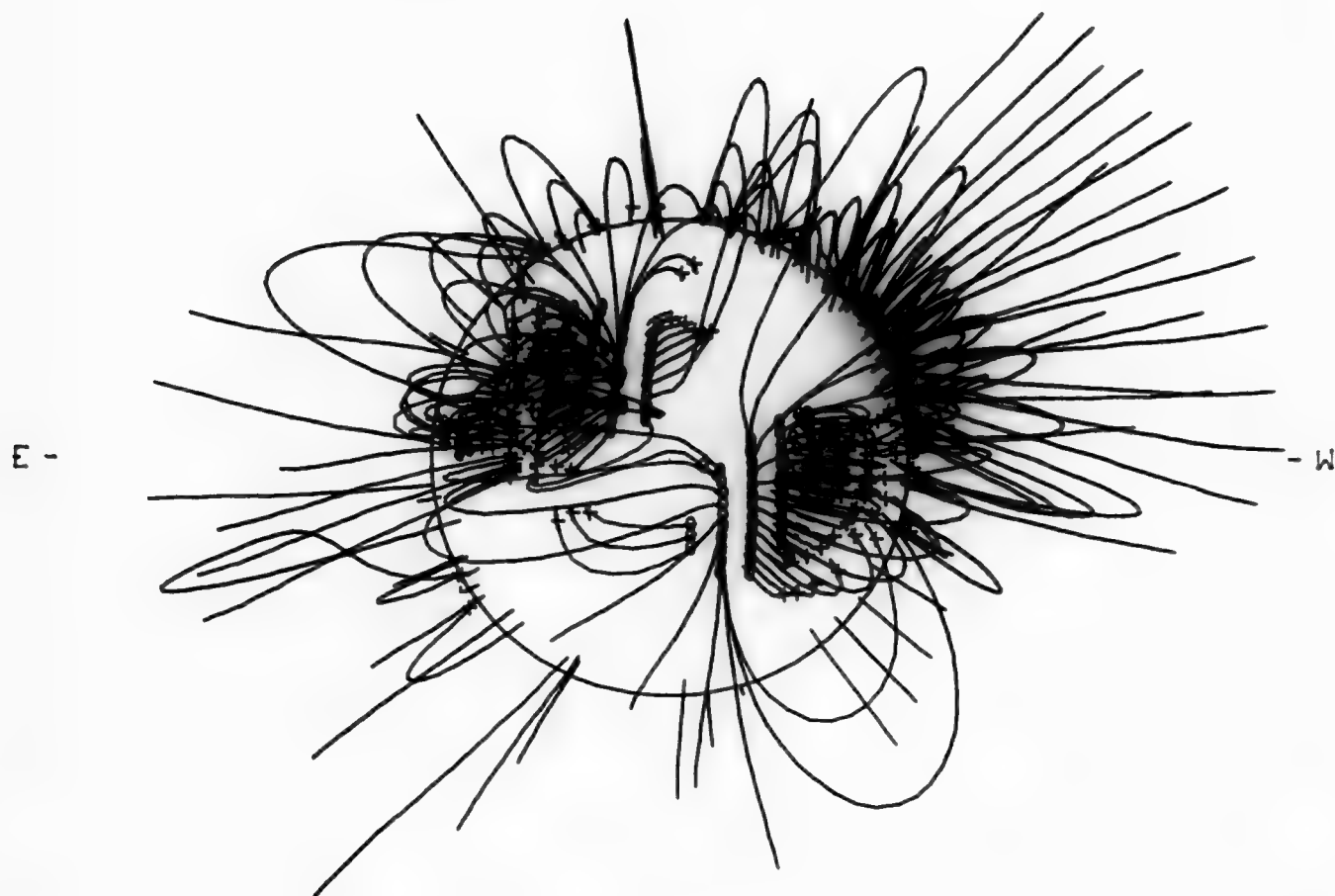
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

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S

ROT. 1469 LONG. 230°
6.8 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1469.00

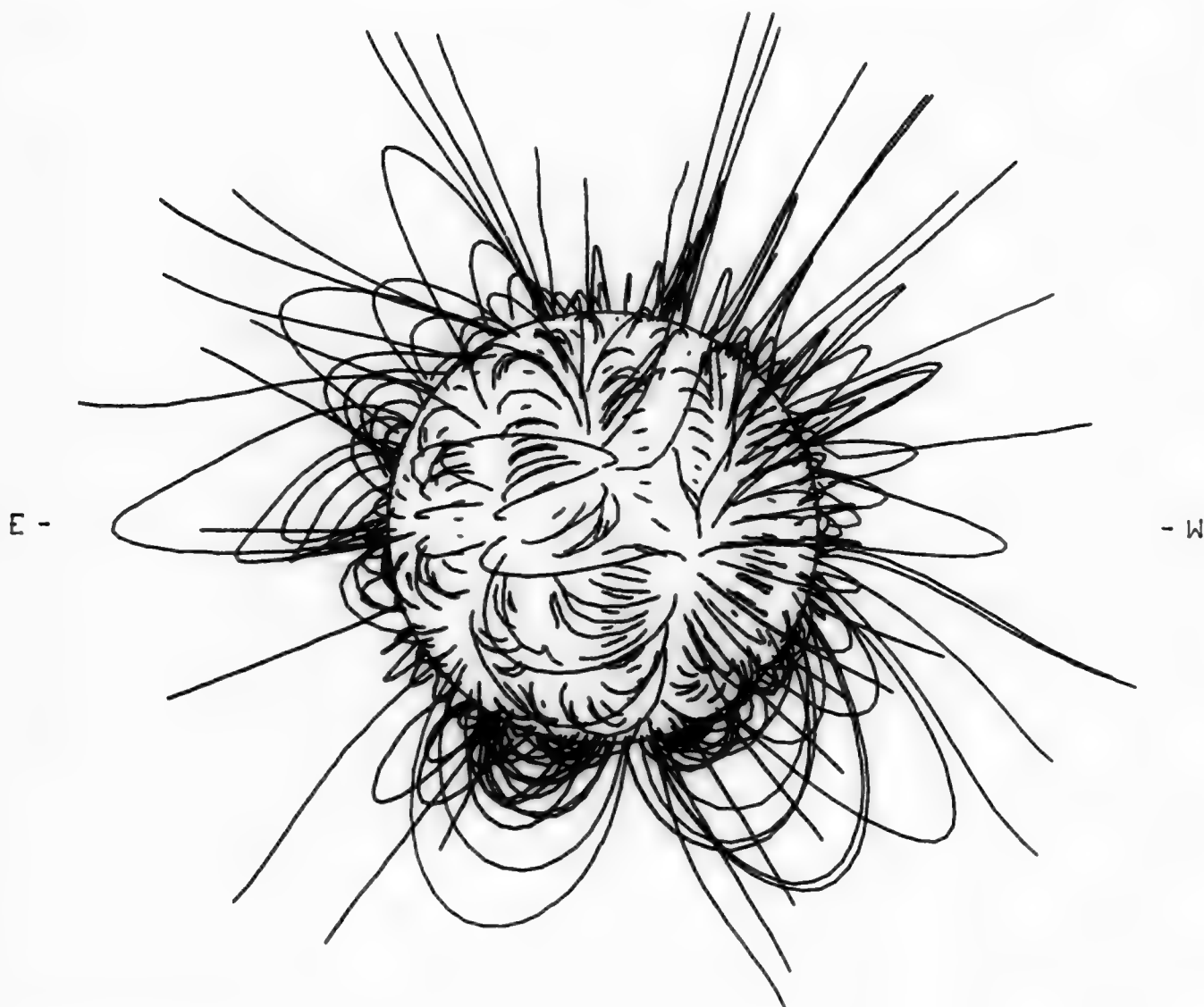
I
S

ROT. 1469 LONG. 230°

6.8 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1469.00

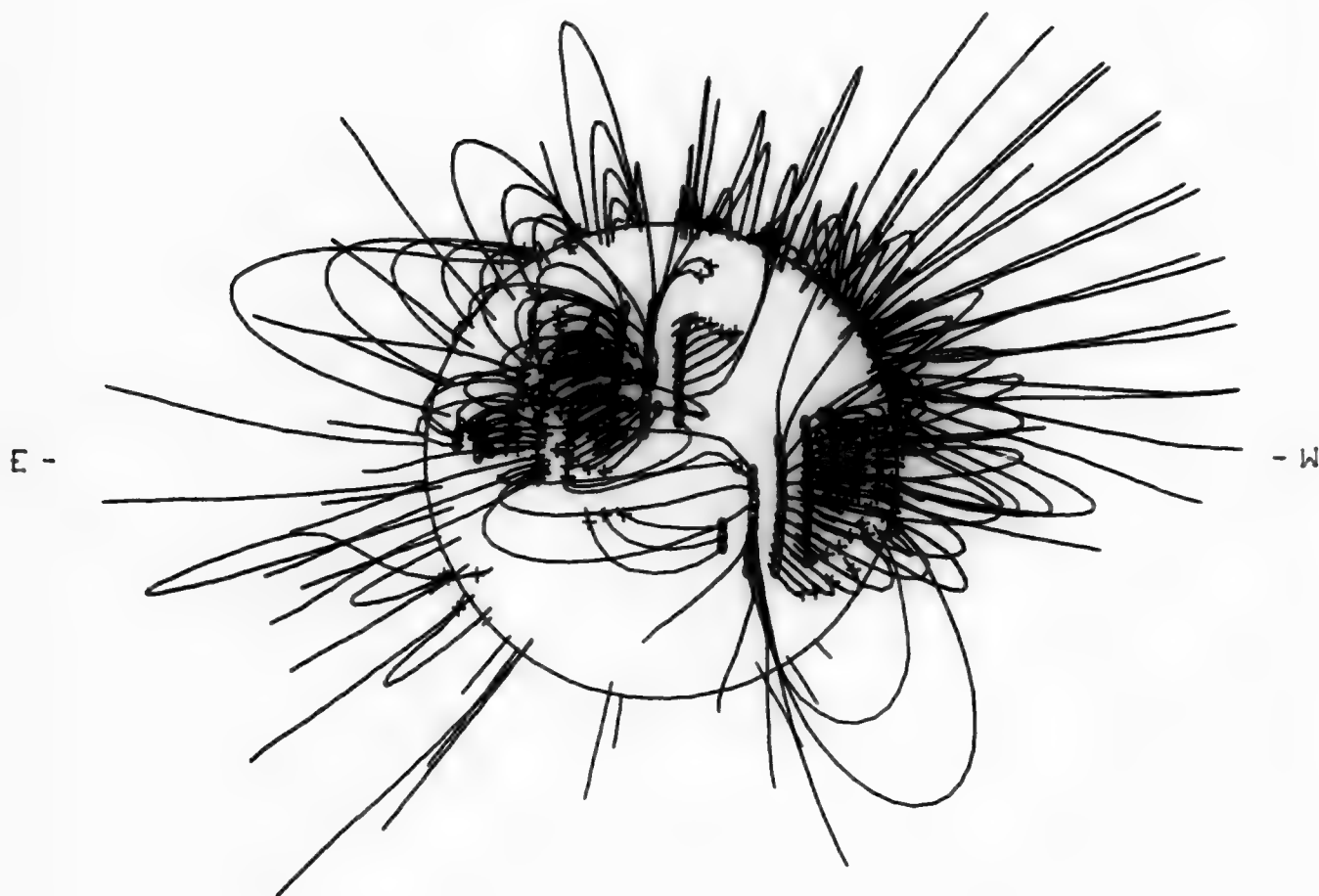
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S

ROT. 1469 LONG. 220°

7.6 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

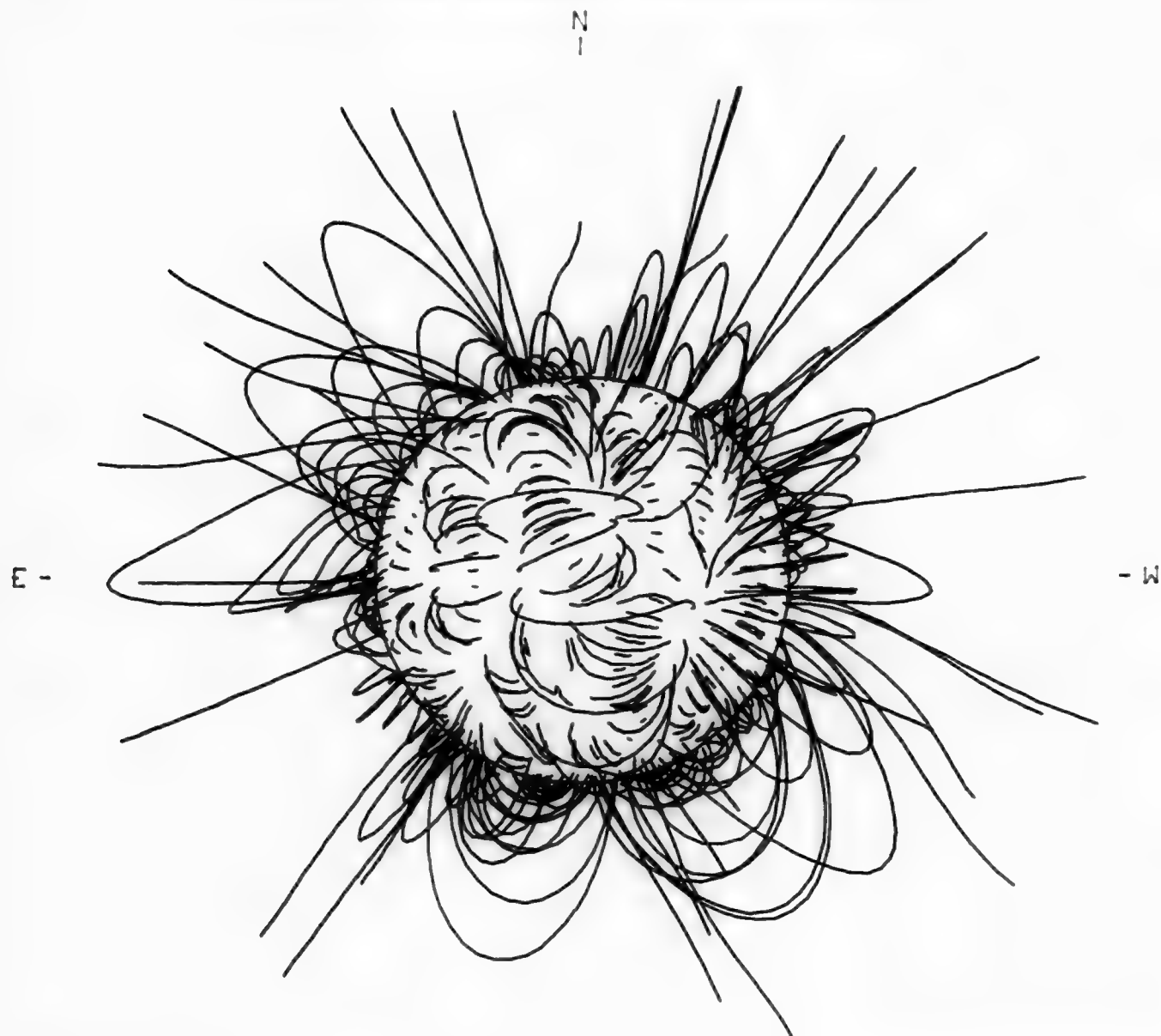
DATA WINDOW 1469.00

I
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ROT. 1469 LONG. 220°

7.6 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

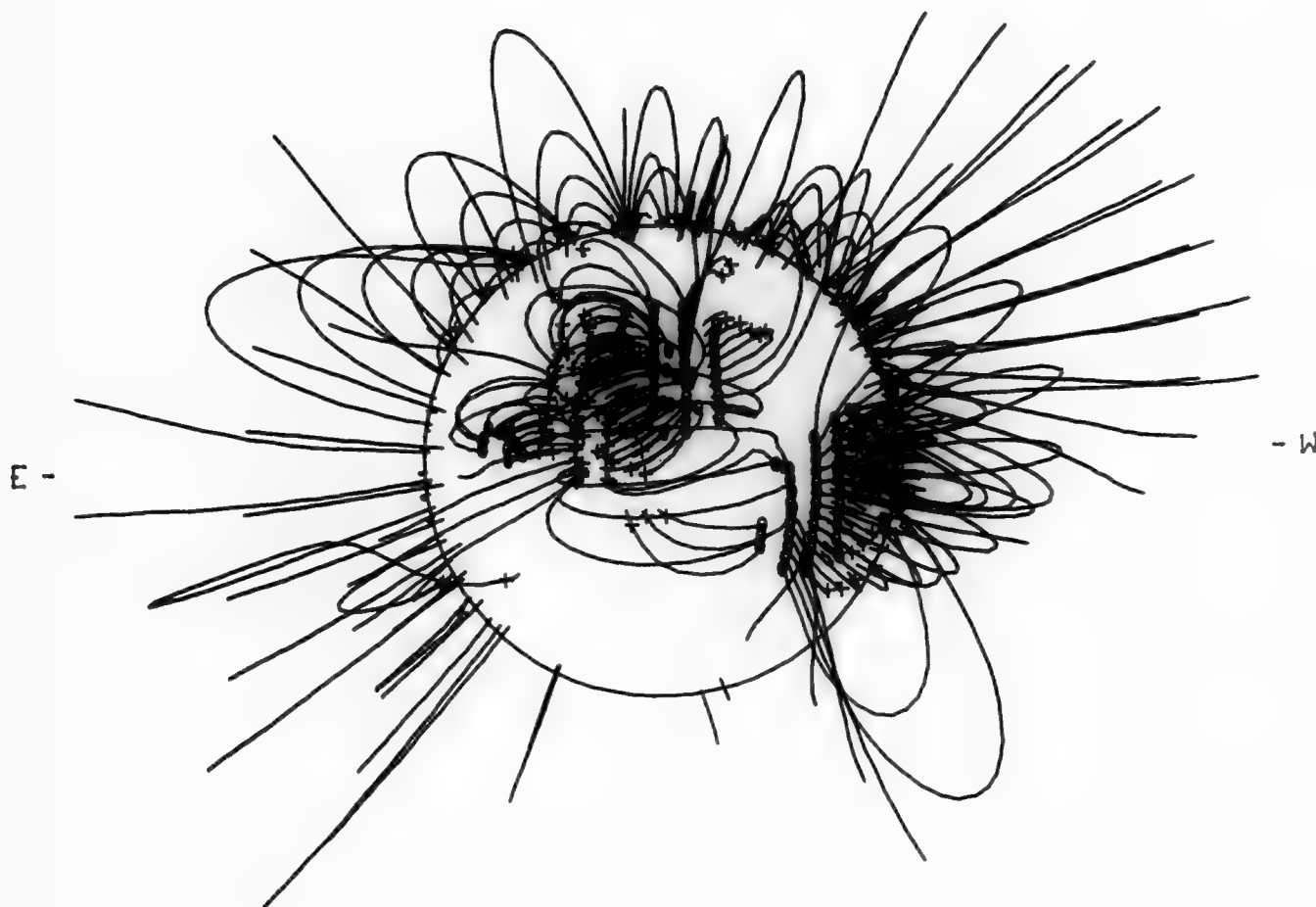
DATA WINDOW 1469.00

ROT. 1469 LONG. 210°

8.3 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1469.00

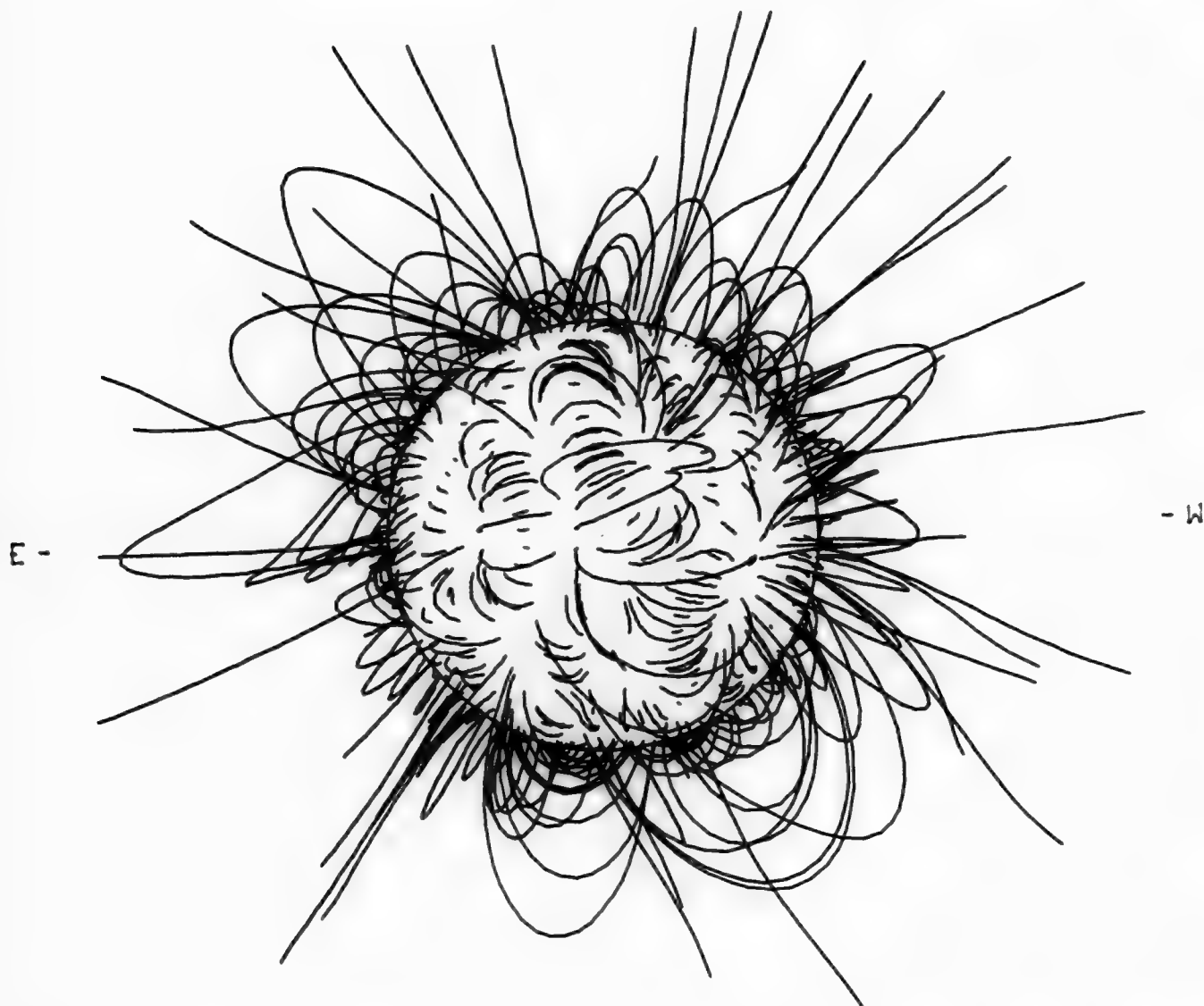
I
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ROT. 1469 LONG. 210°

8.3 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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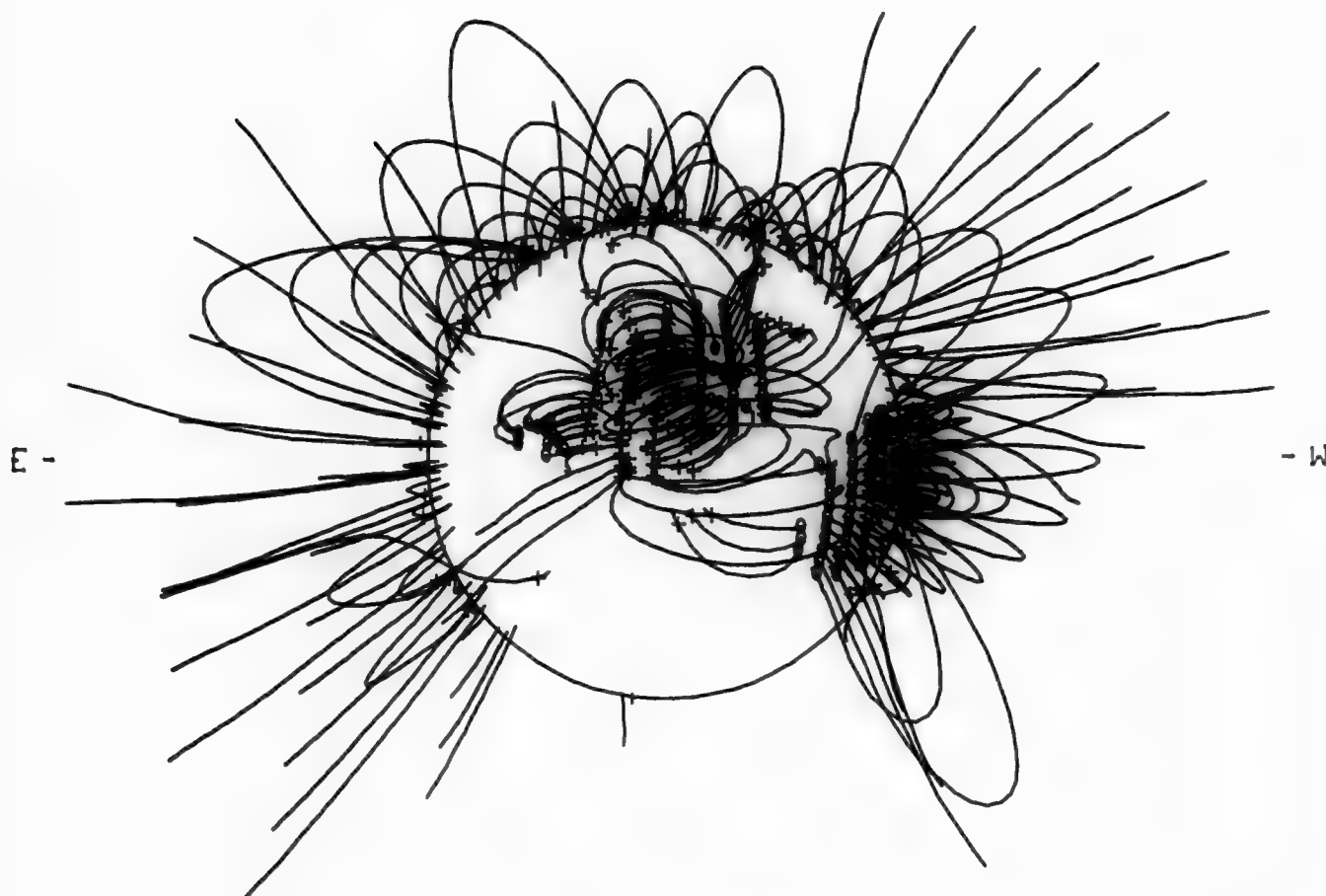
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

I
S

ROT. 1469 LONG. 200°
9.1 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

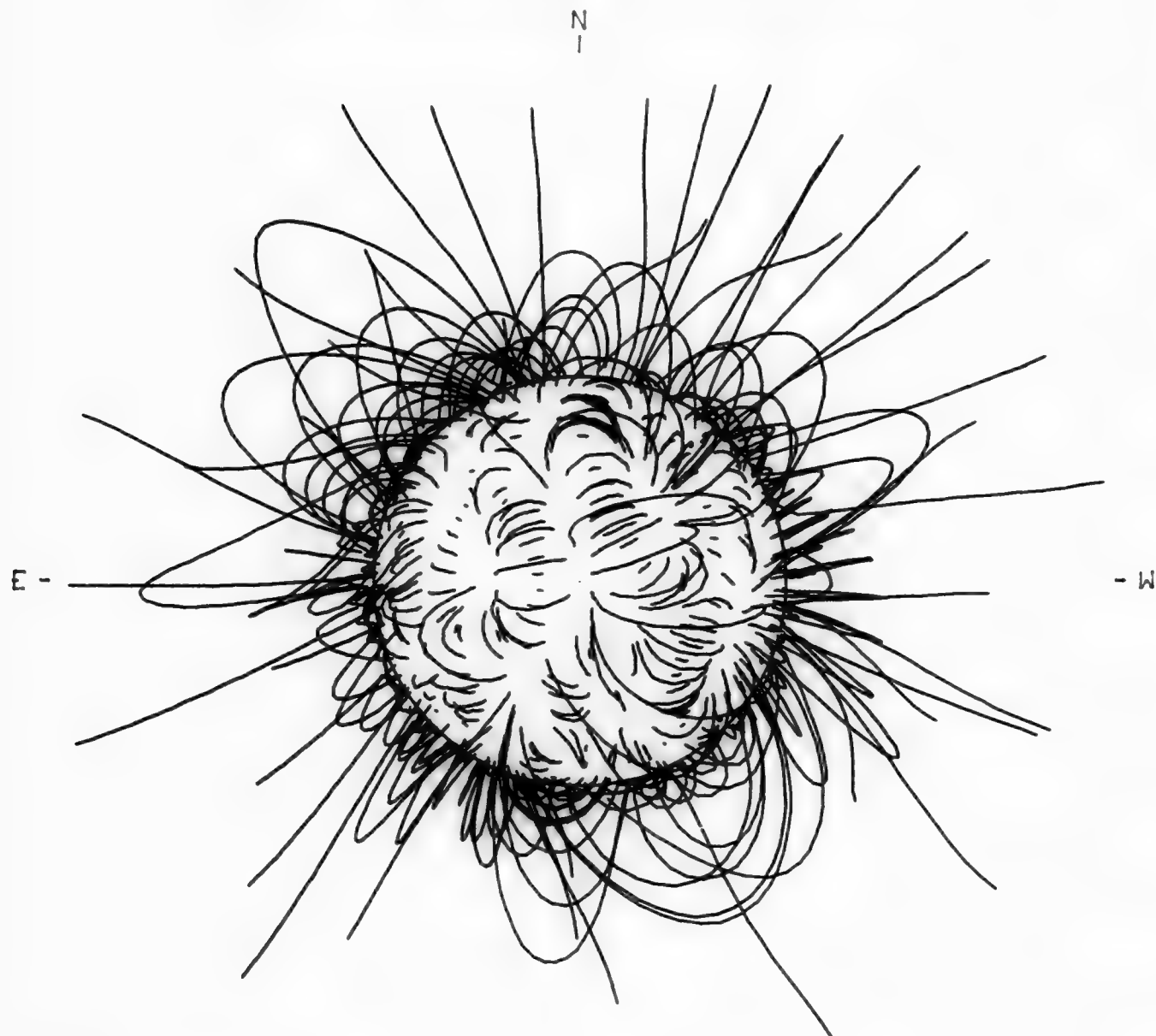
DATA WINDOW 1469.00

I
S

ROT. 1469 LONG. 200°

9.1 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1469.00

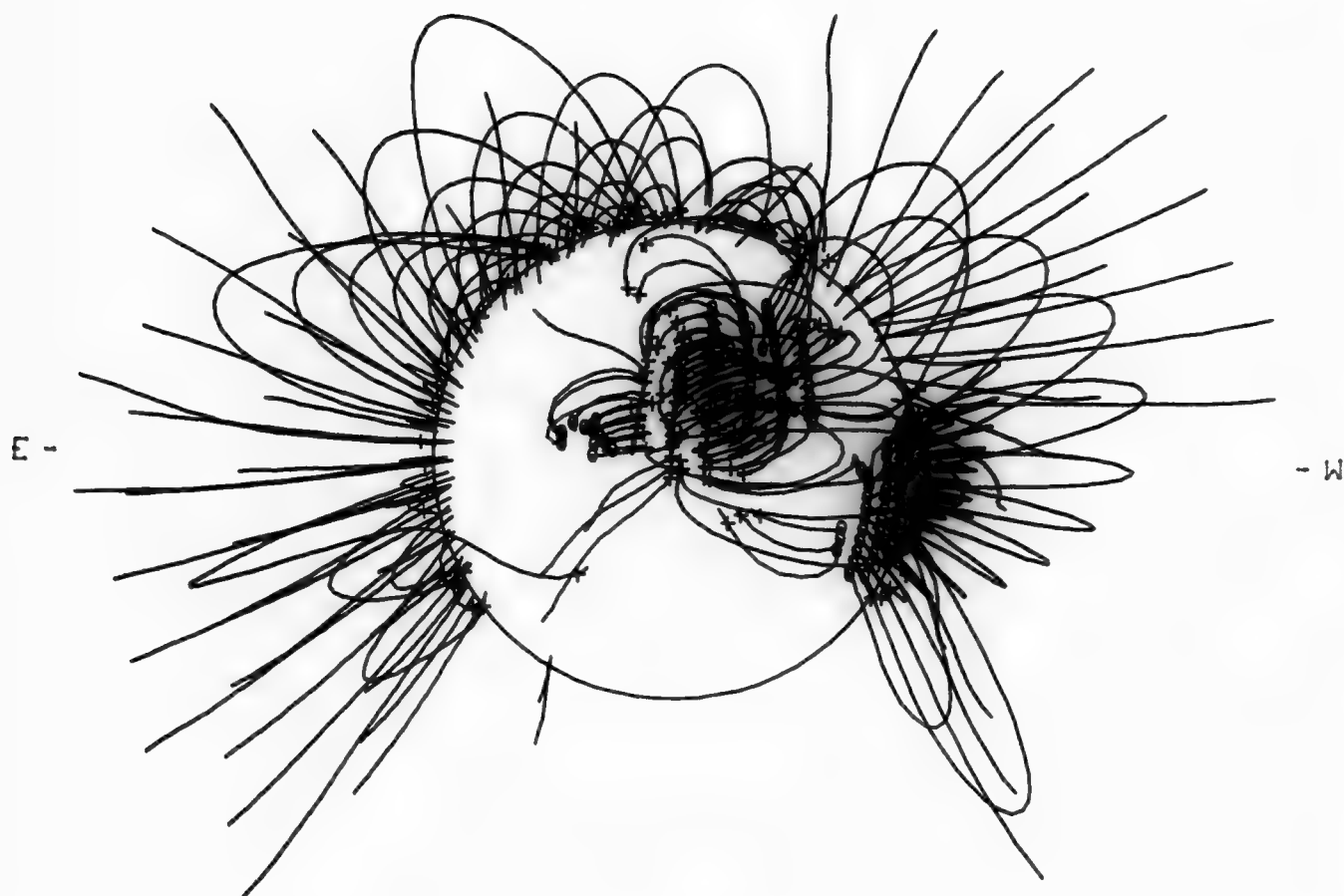
I
S

ROT. 1469 LONG. 190°

9.8 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

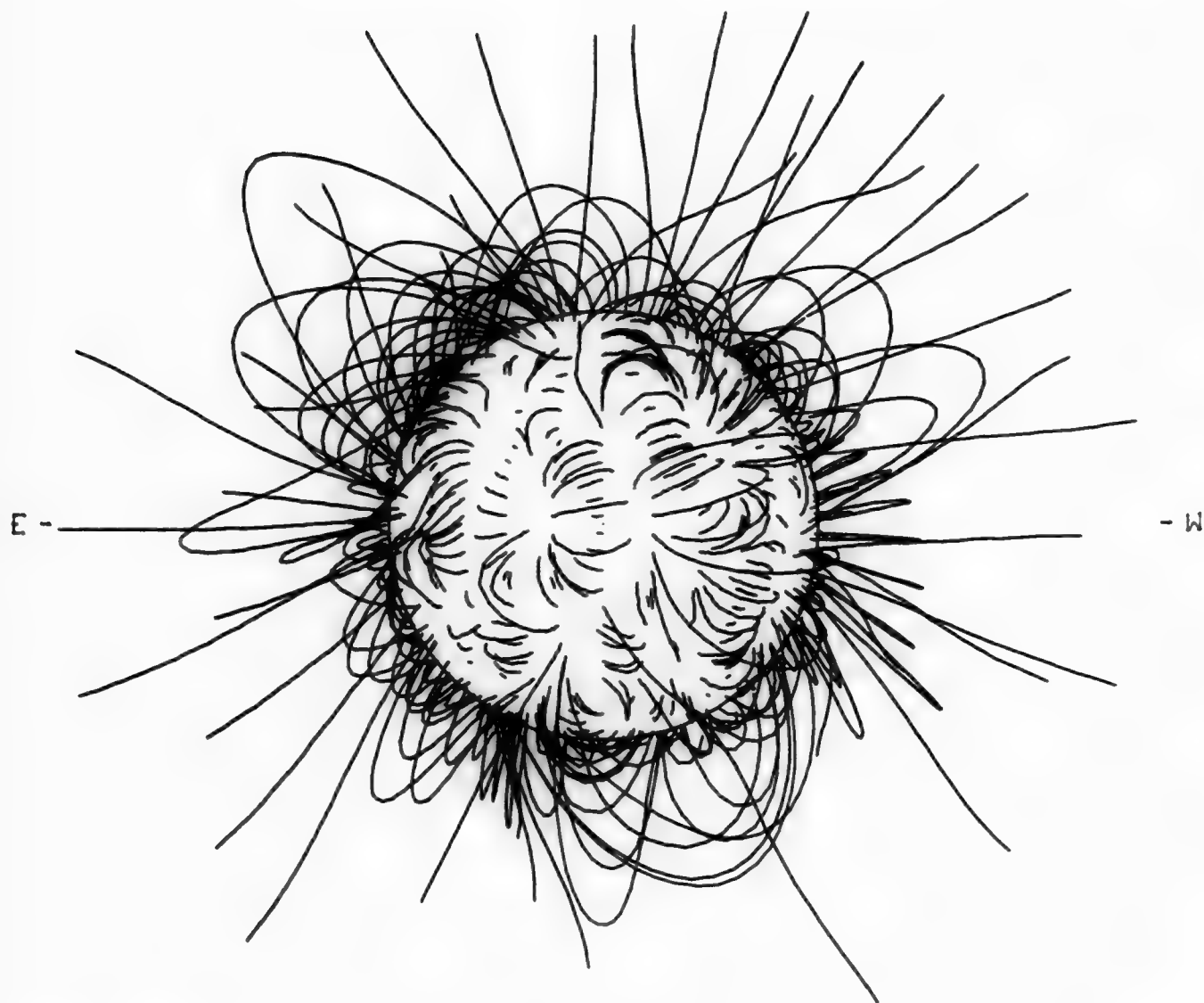
POLES AVERAGED

DATA WINDOW 1469.00

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S

ROT. 1469 LONG. 190°

9.8 JUL 1963

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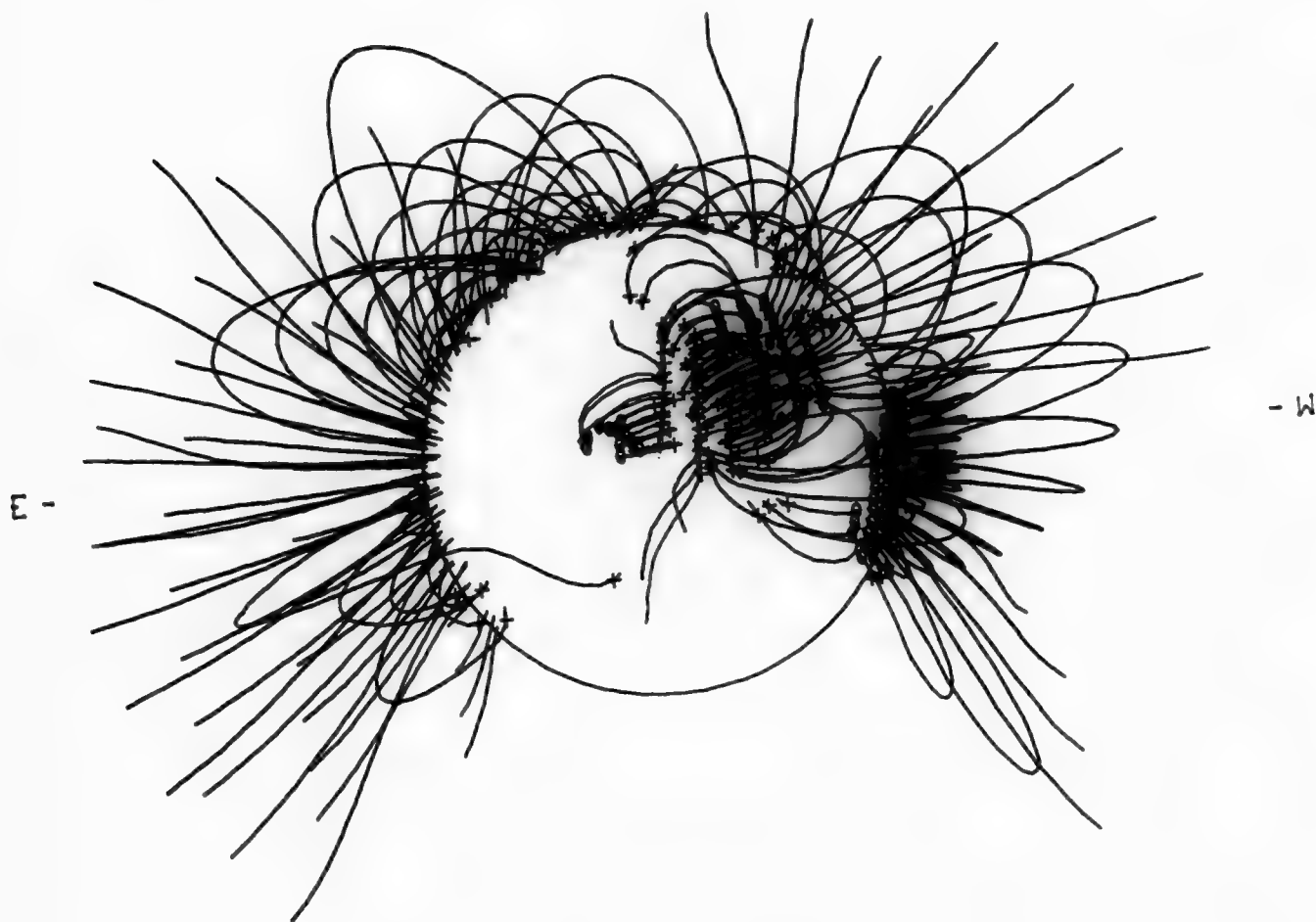
5

ROT. 1469 LONG. 180°

10.6 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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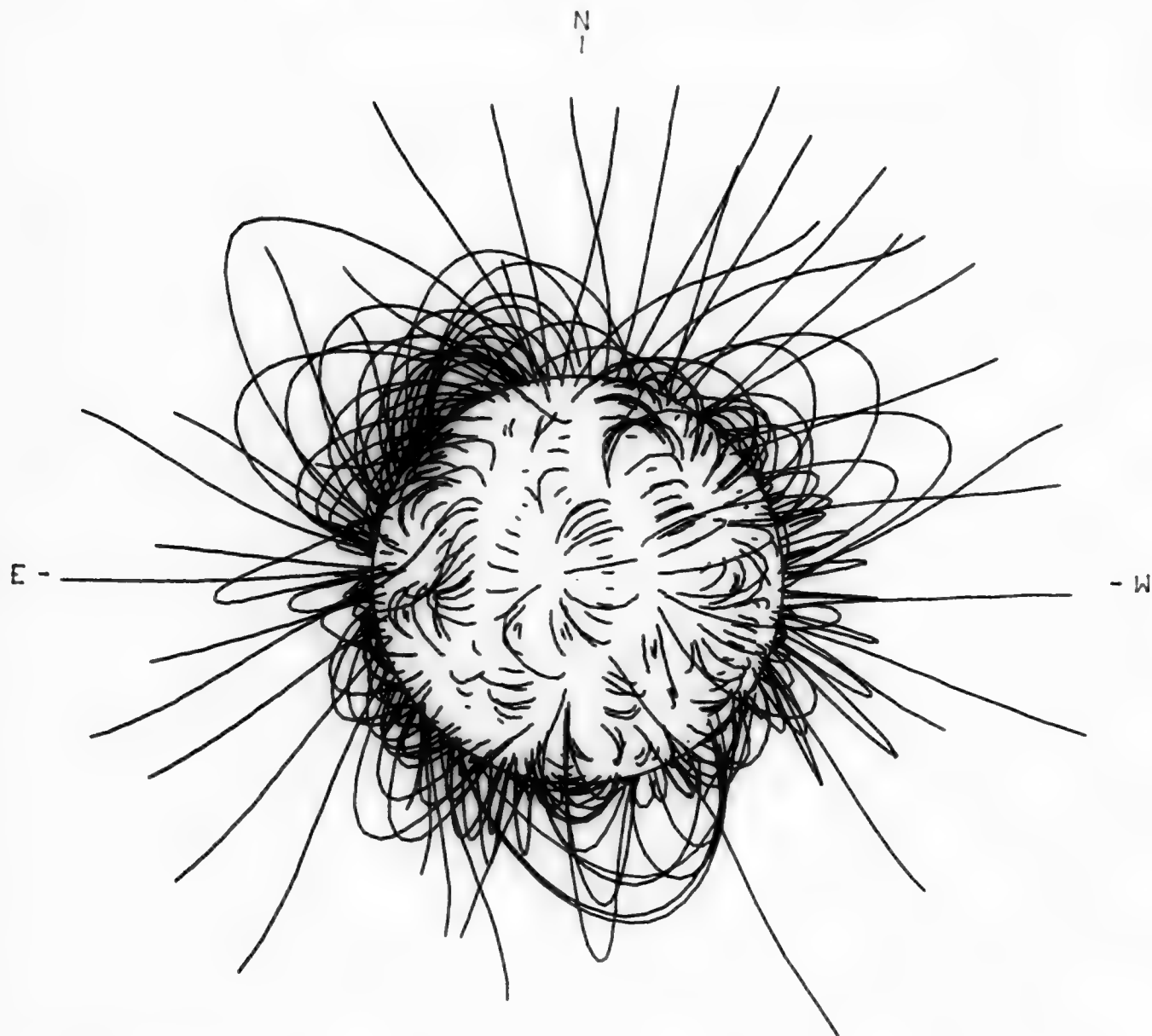


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

|
S

ROT. 1469 LONG. 180°
10.6 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1469.00

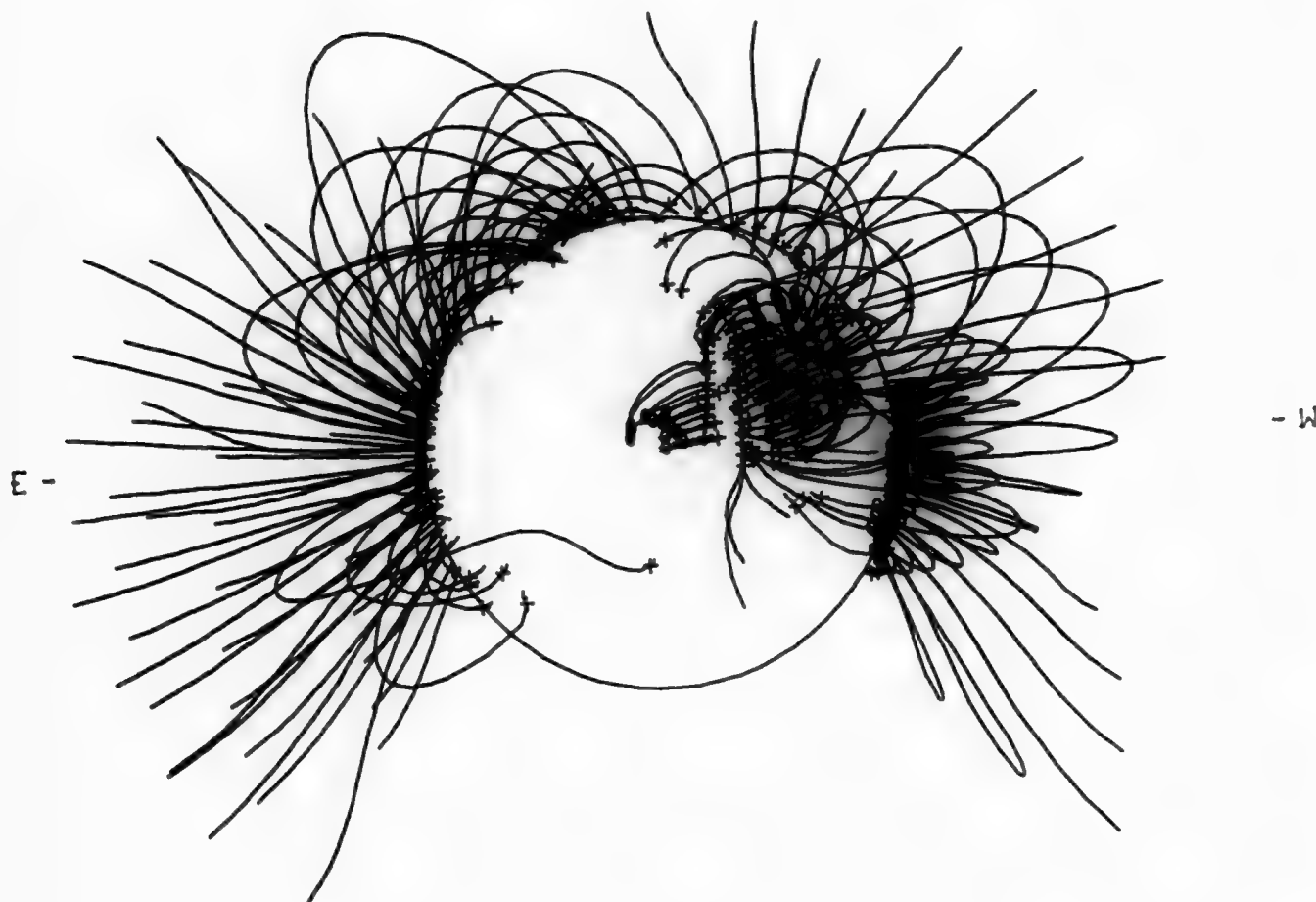
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ROT. 1469 LONG. 170°

11.4 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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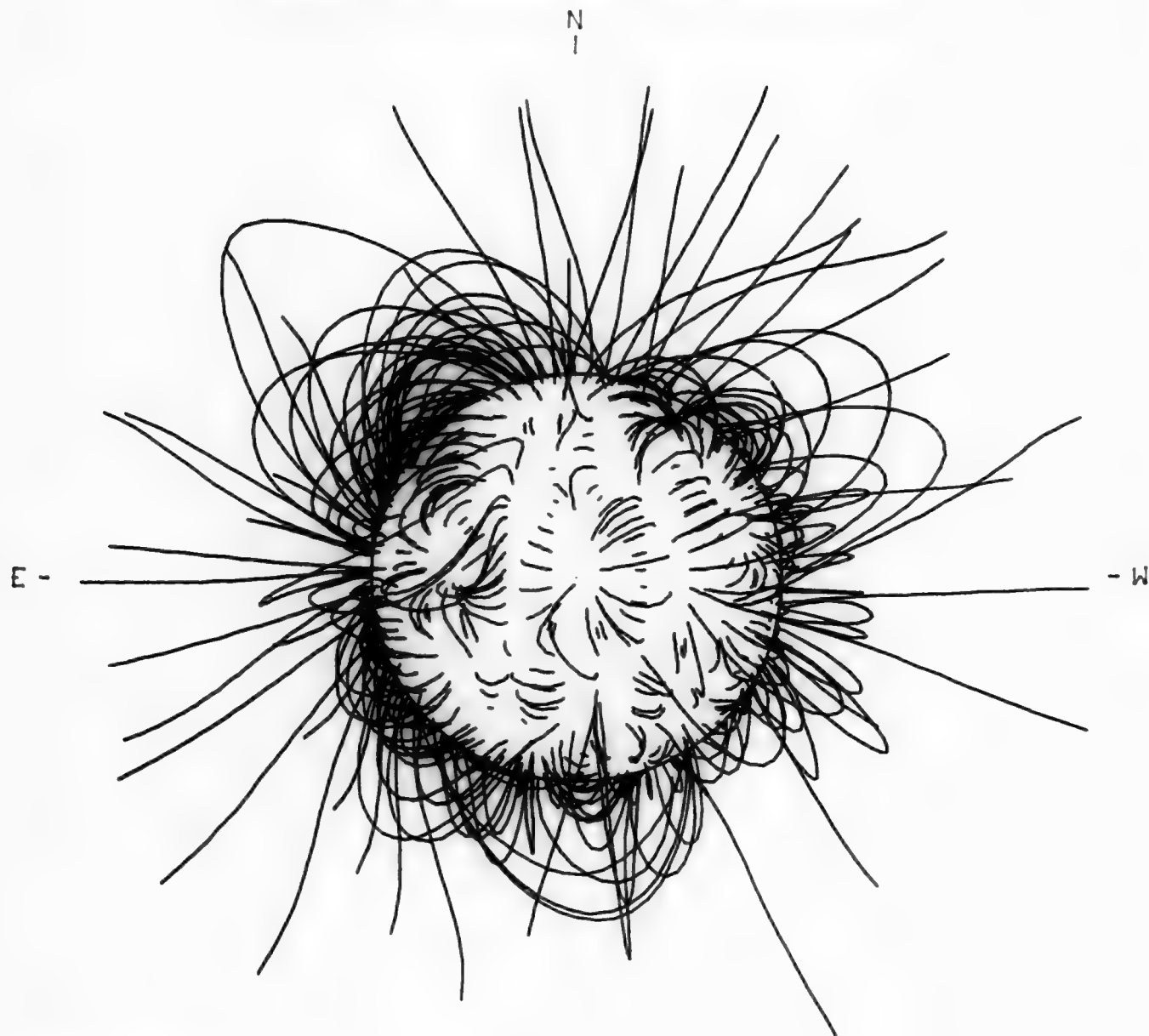


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

I
S

ROT. 1469 LONG. 170°
11.4 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1469.00

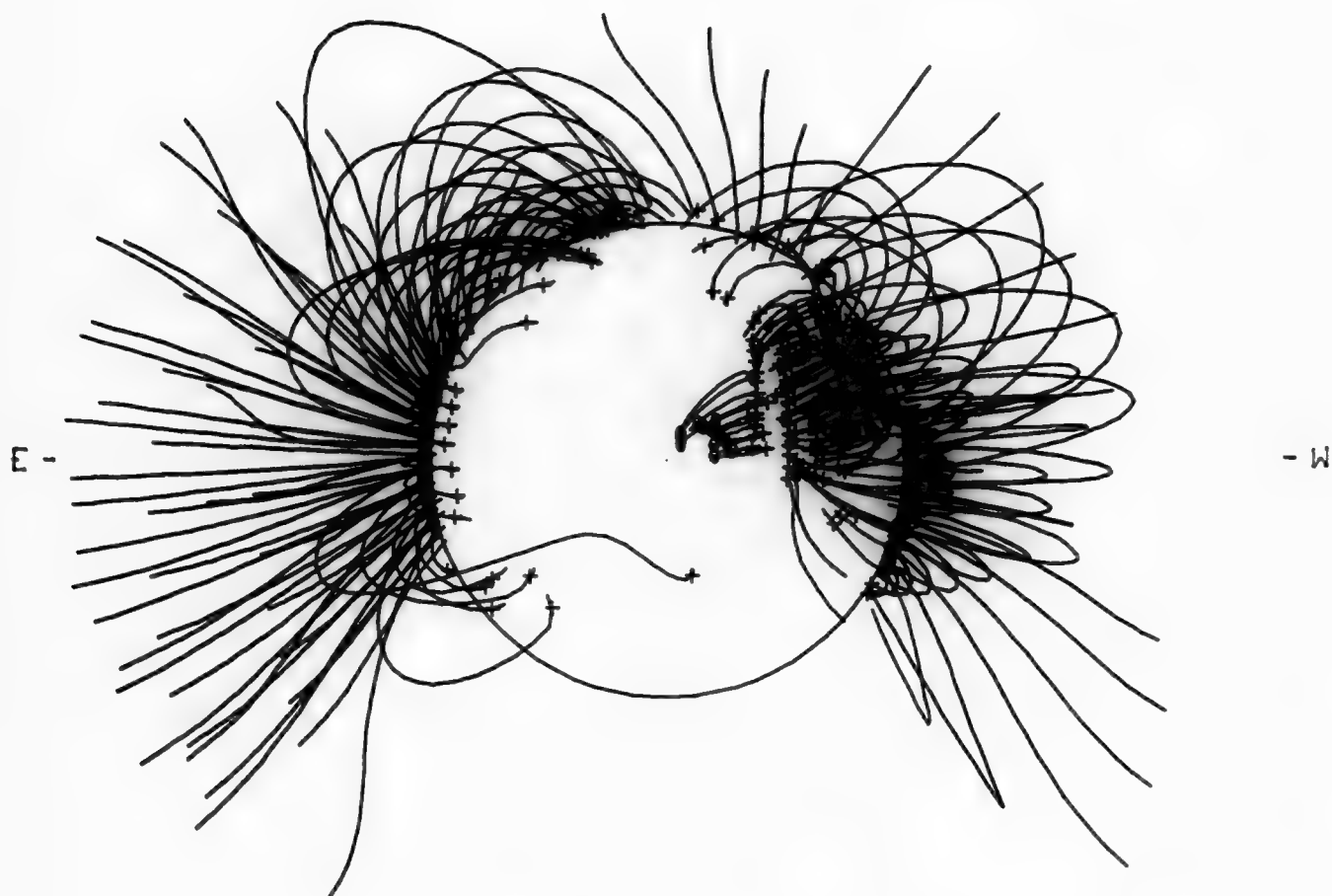
I
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ROT. 1469 LONG. 160°

12.1 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

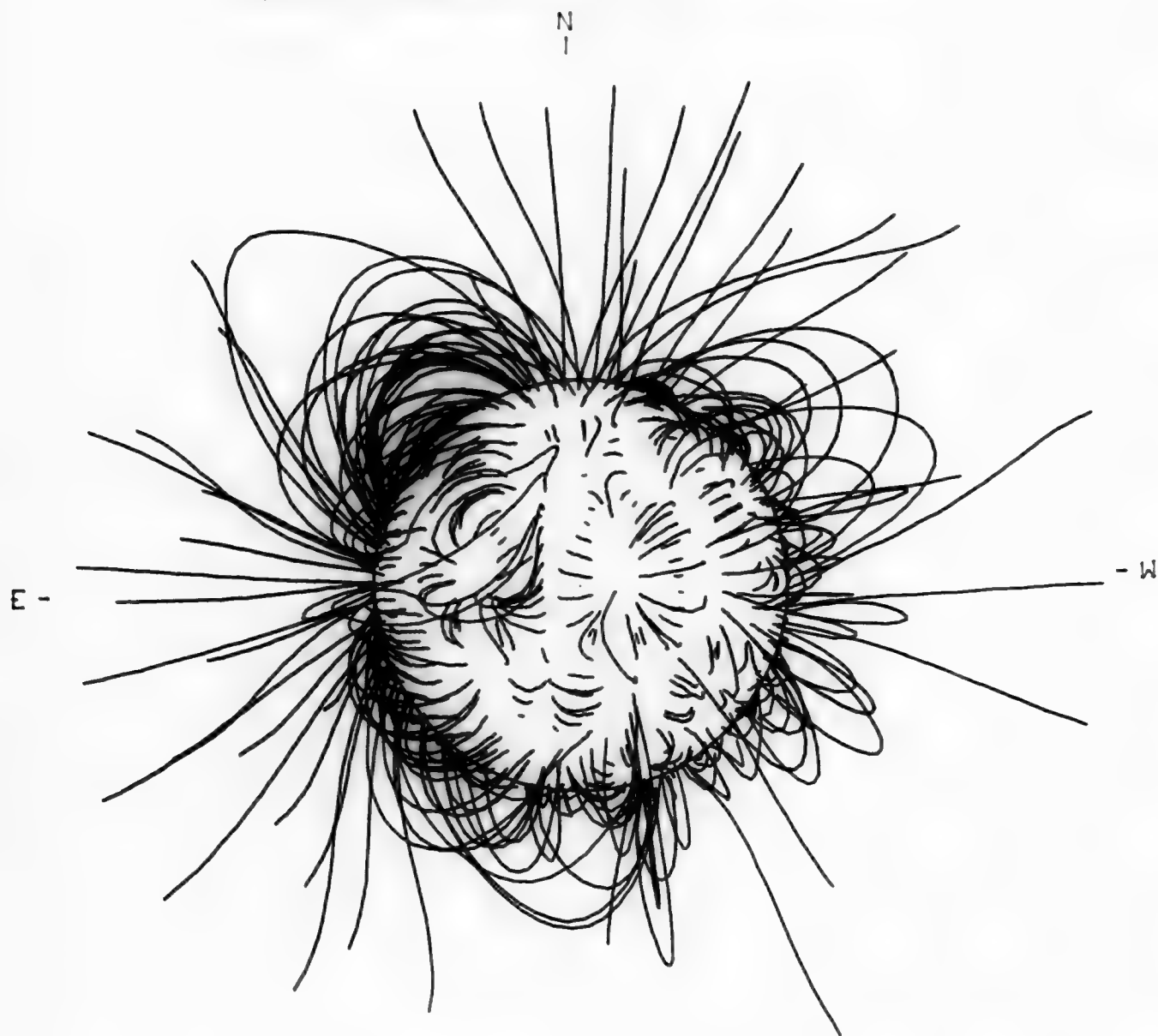
DATA WINDOW 1469.00

I
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ROT. 1469 LONG. 160°

12.1 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



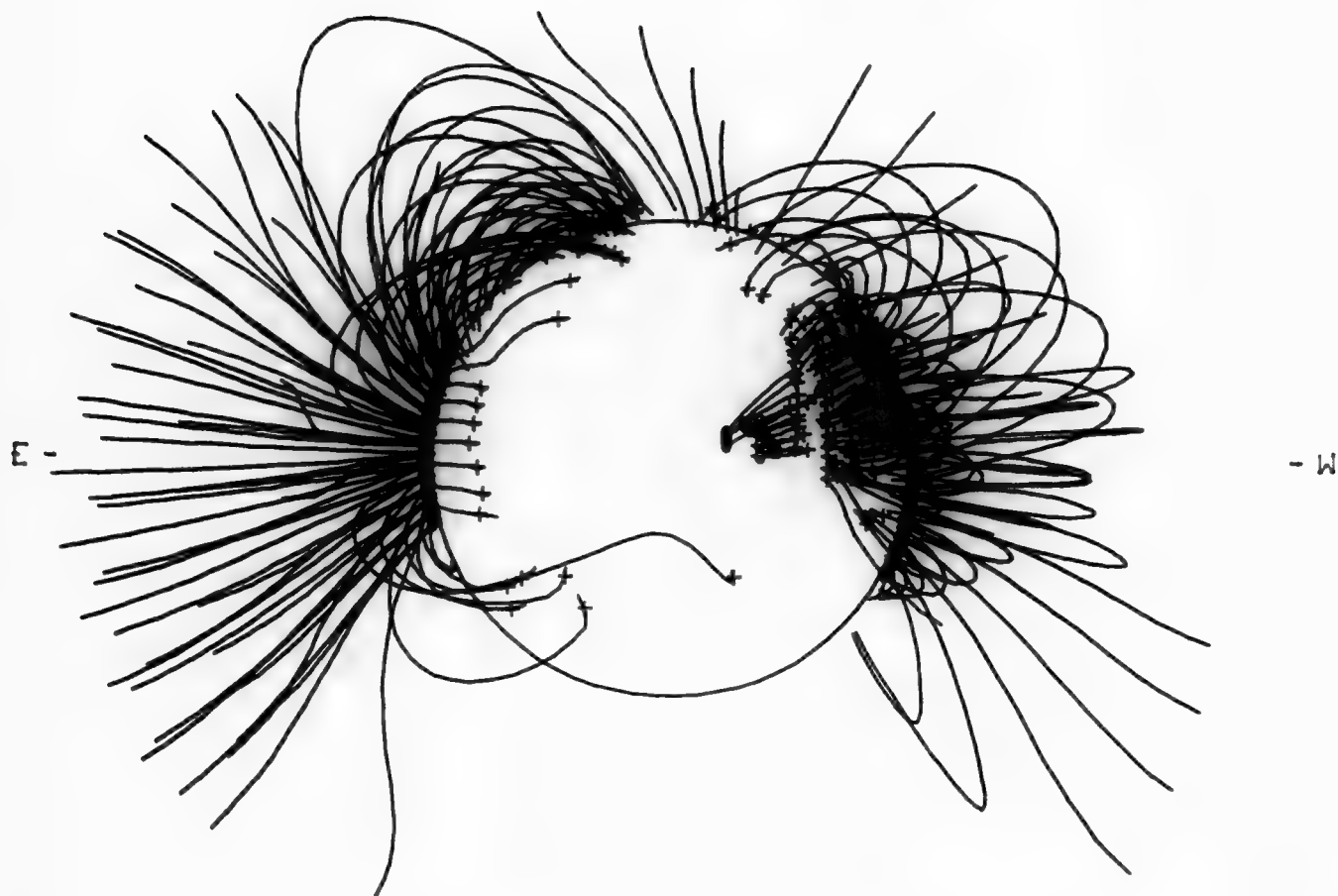
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

I
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ROT. 1469 LONG. 150°
12.9 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

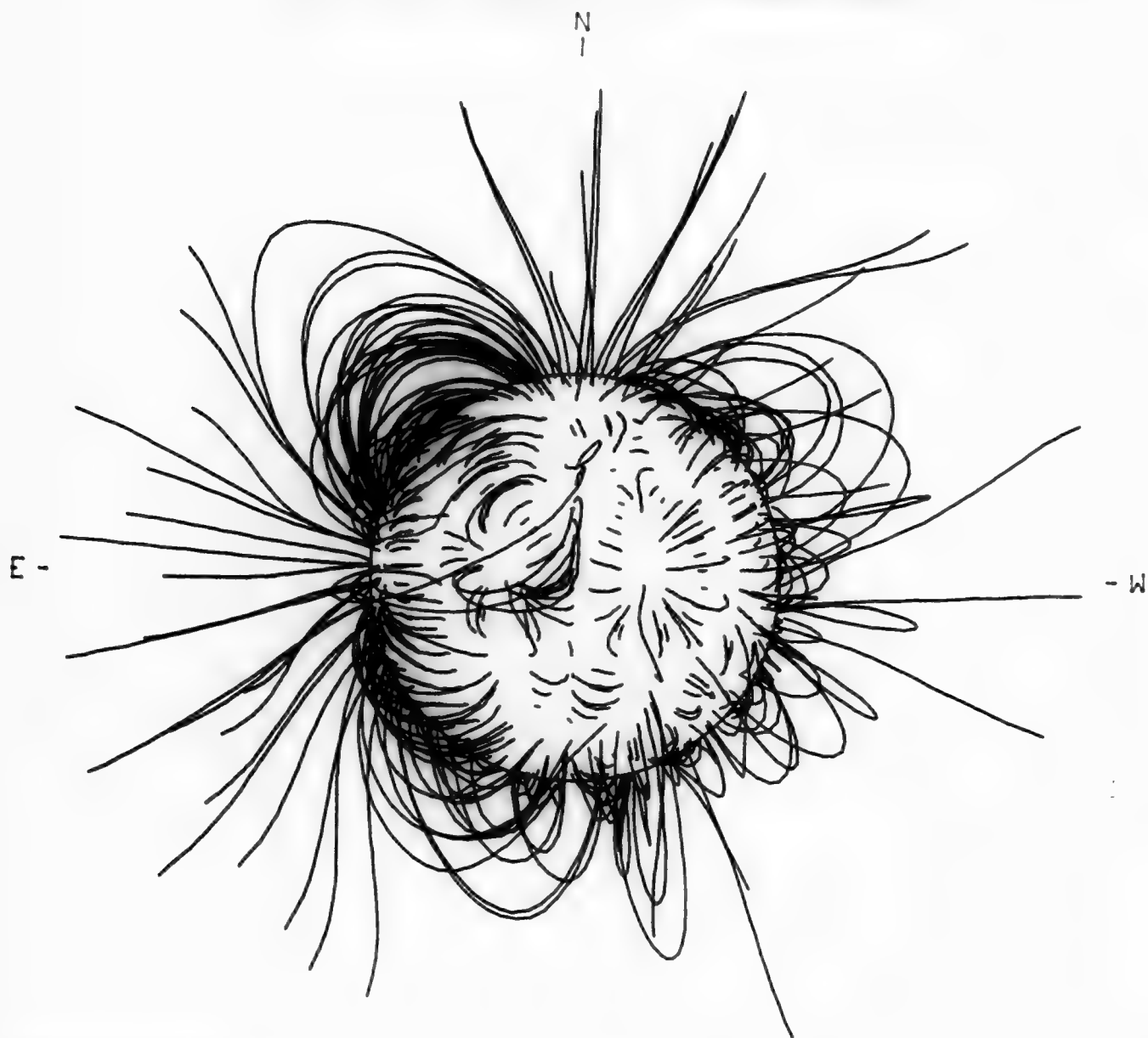
DATA WINDOW 1469.00

I
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ROT. 1469 LONG. 150°

12.9 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1469.00

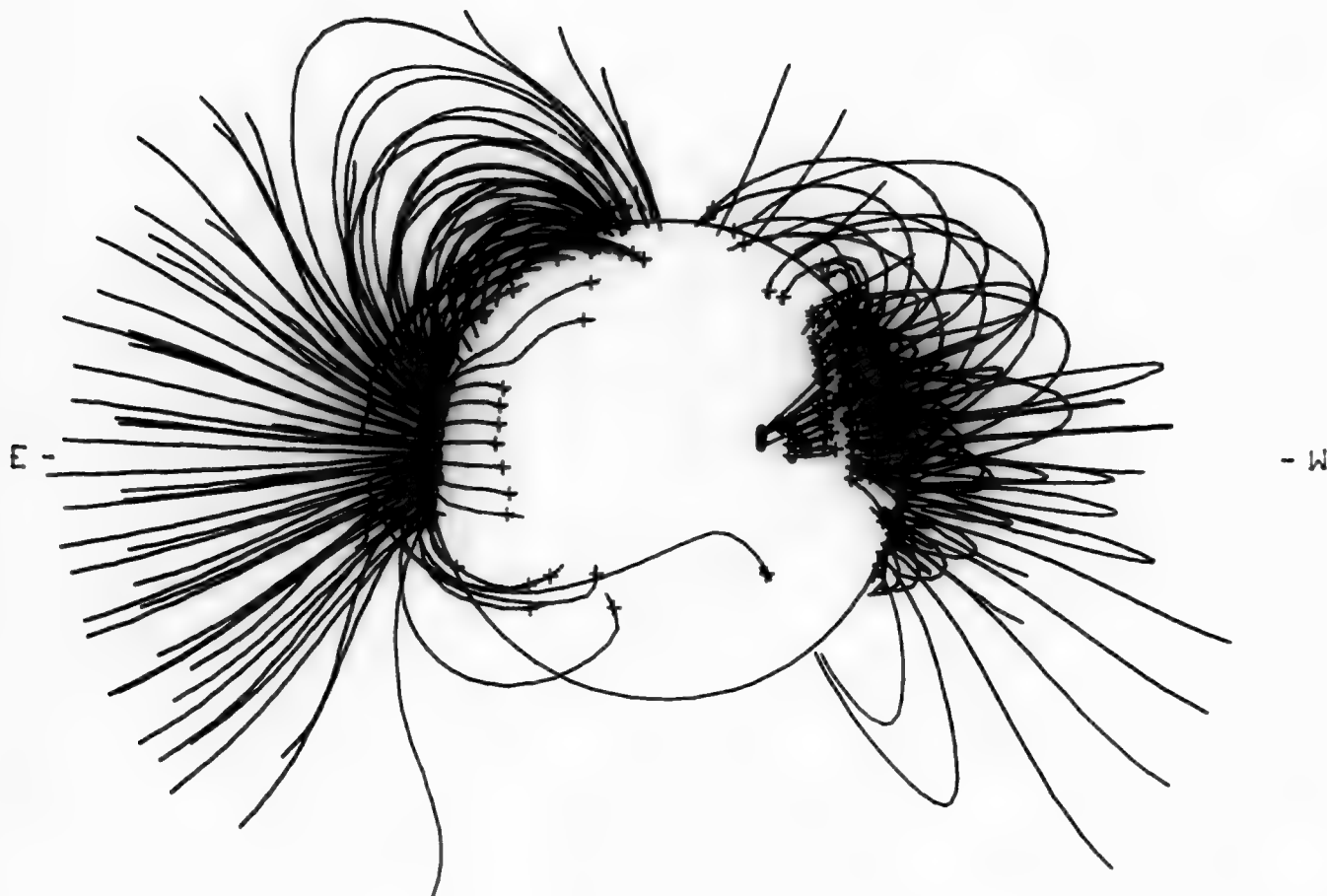
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ROT. 1469 LONG. 140°

13.6 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

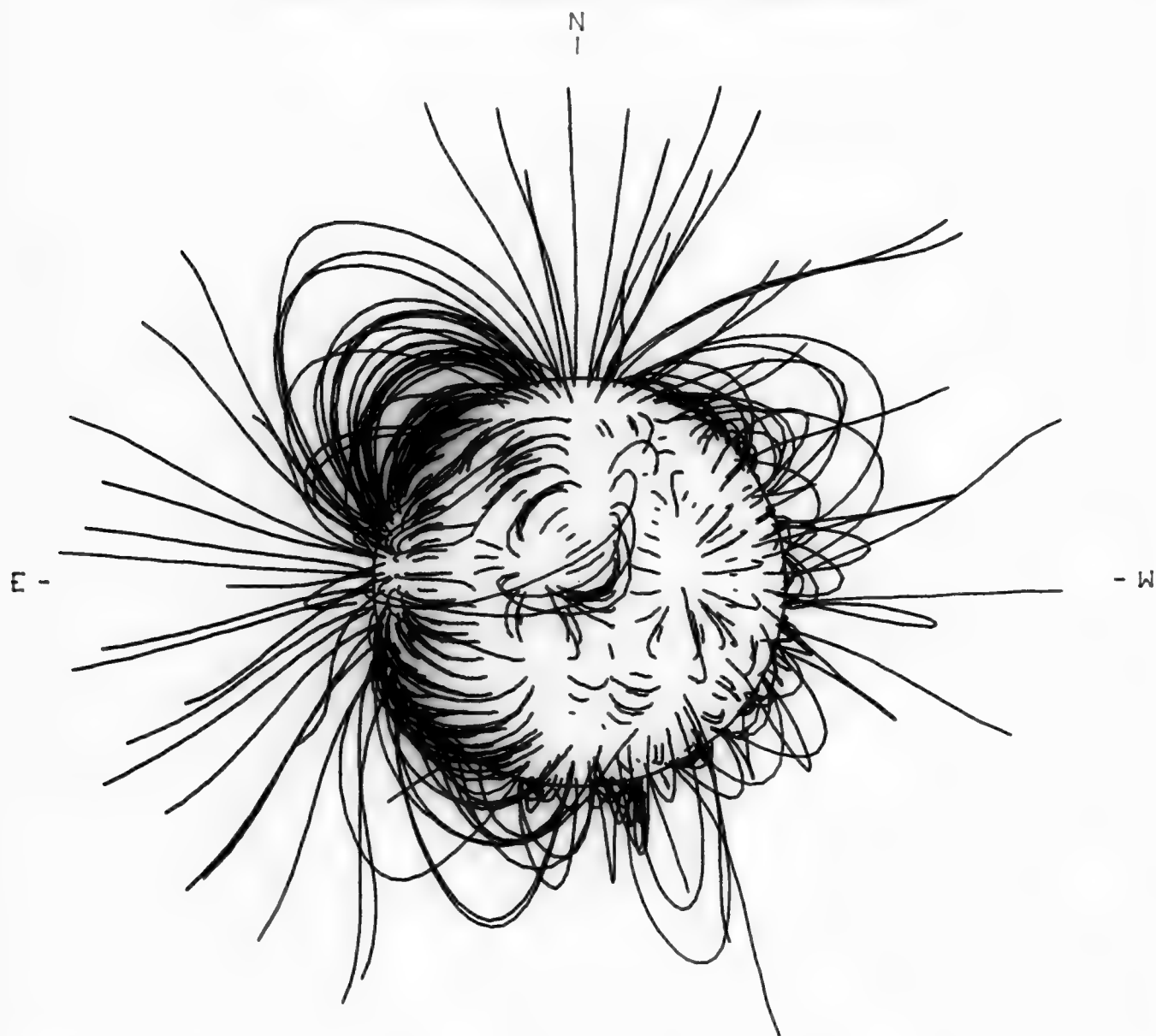
DATA WINDOW 1469.00

I
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ROT. 1469 LONG. 140°

13.6 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1469.00

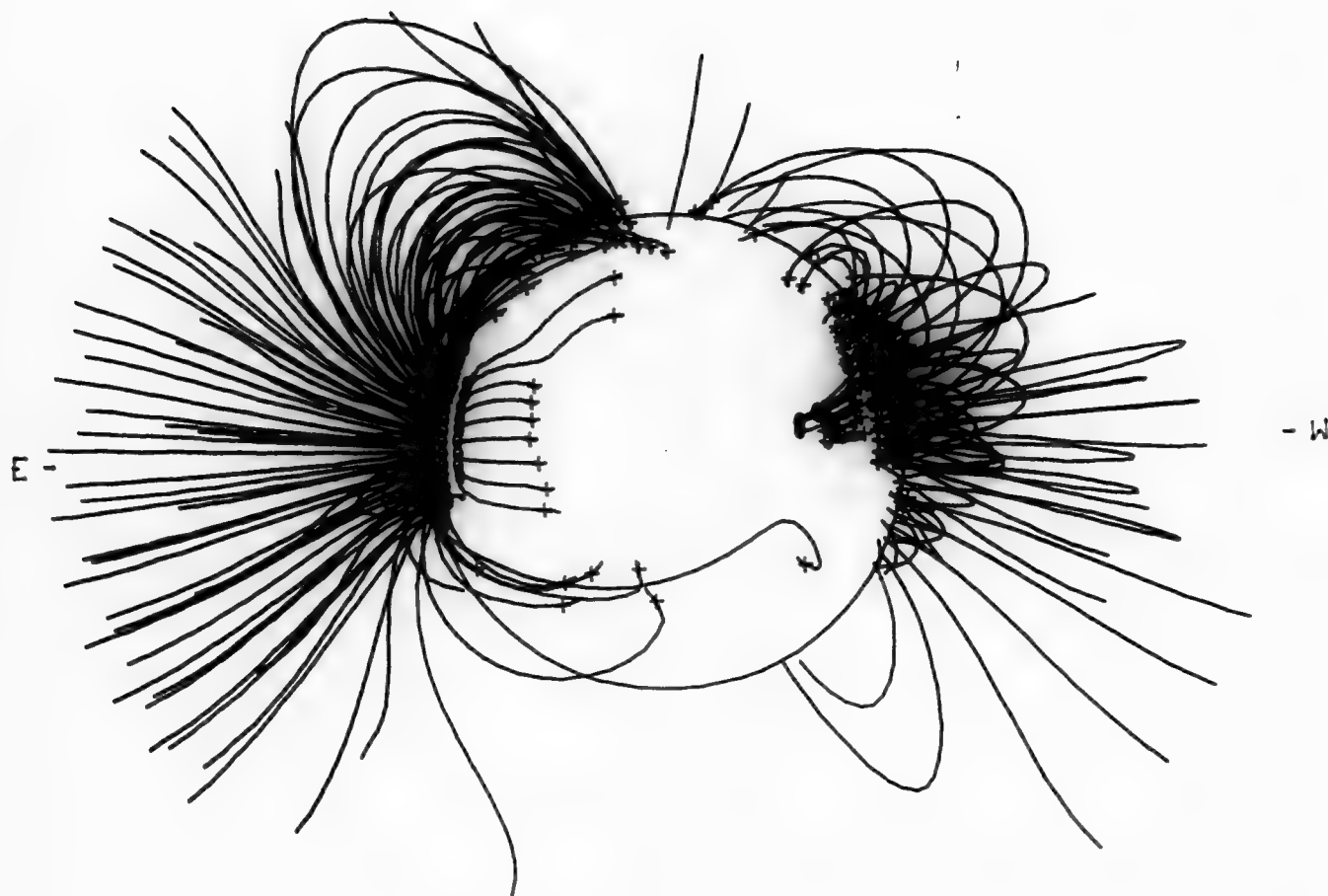
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ROT. 1469 LONG. 130°

14.4 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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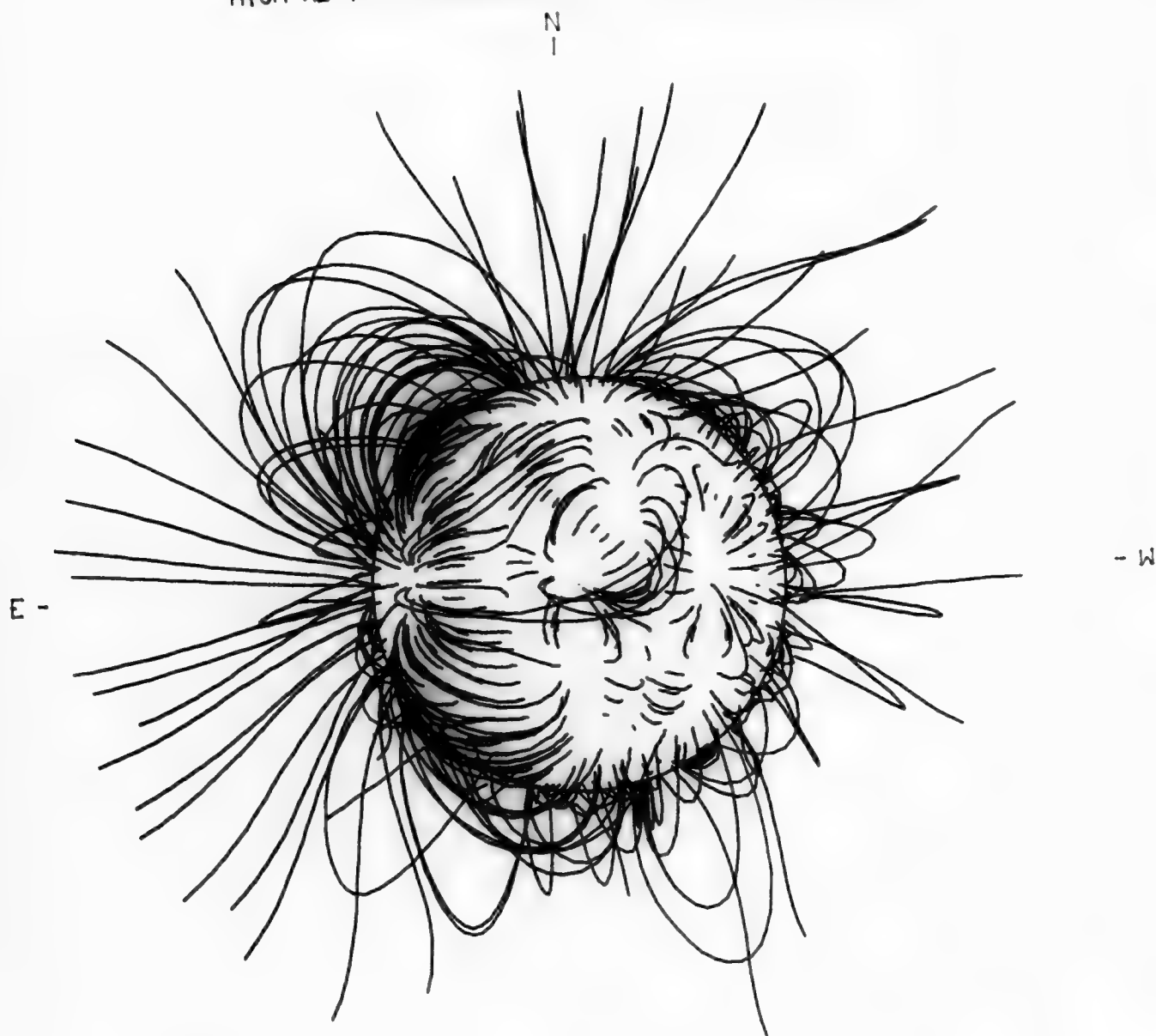


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

I
S

ROT. 1469 LONG. 130°
14.4 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



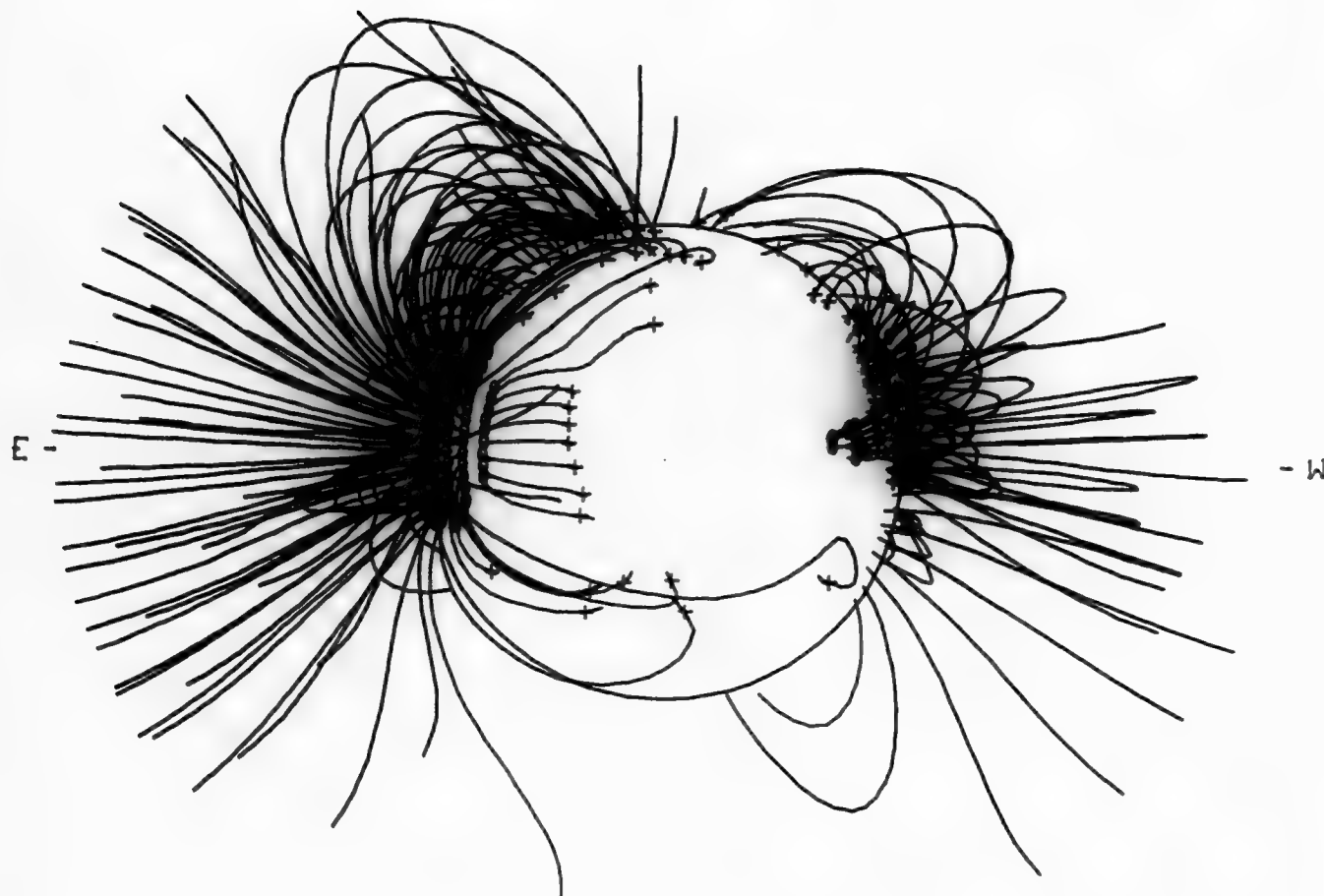
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

I
S

ROT. 1469 LONG. 120°
15.1 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

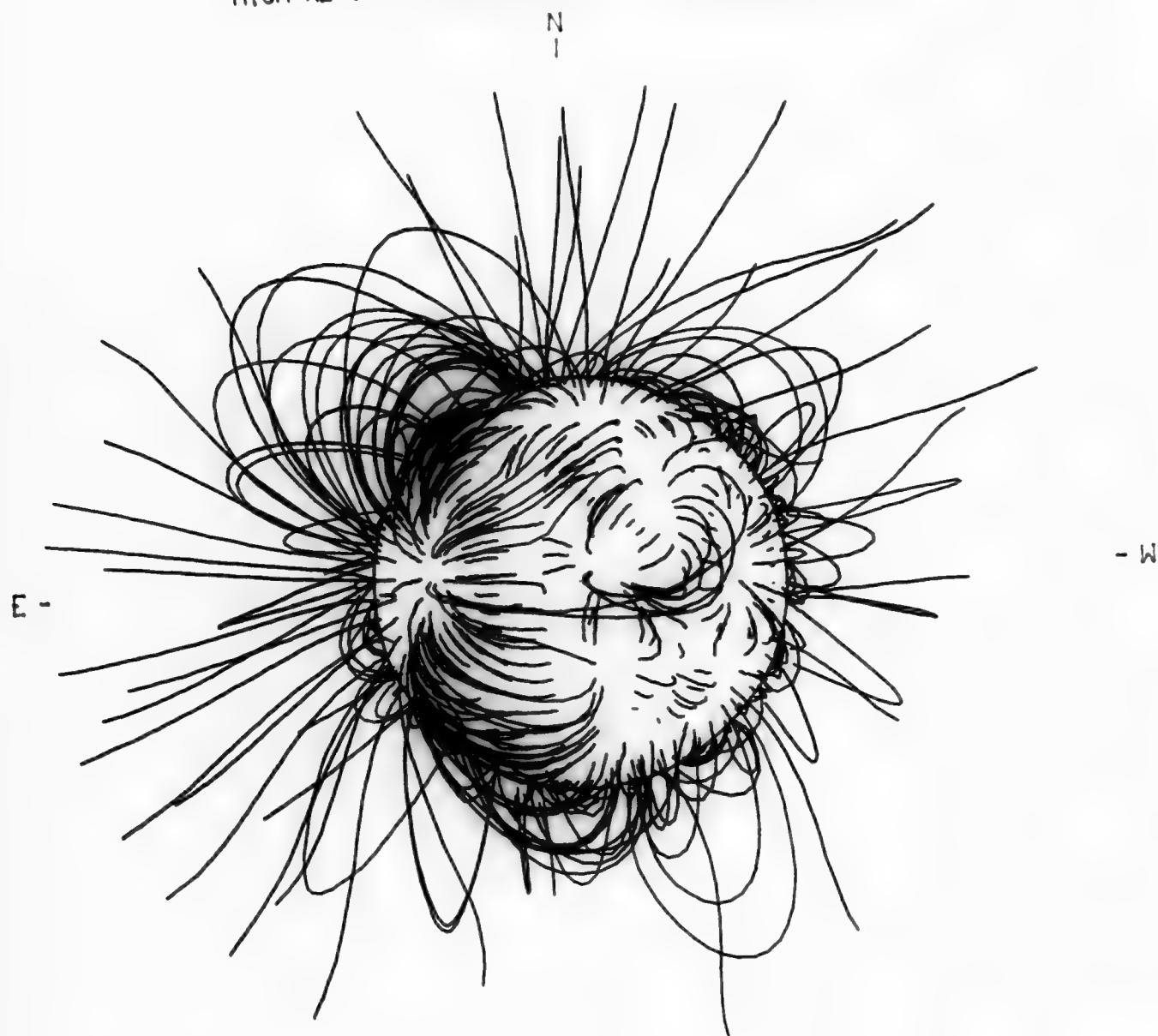
DATA WINDOW 1469.00

I
S

ROT. 1469 LONG. 120°

15.1 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



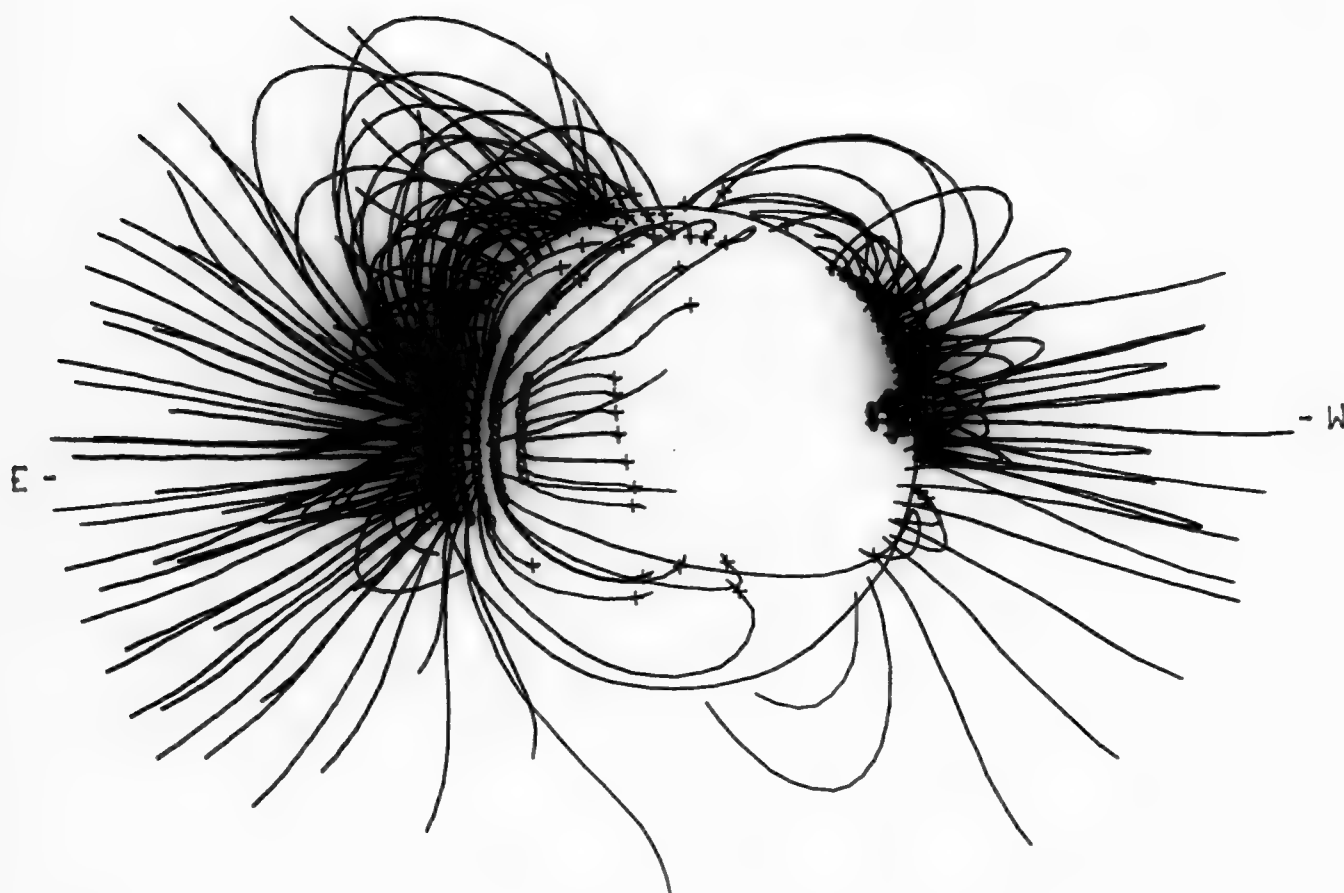
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

1
S

ROT. 1469 LONG. 110°
15.9 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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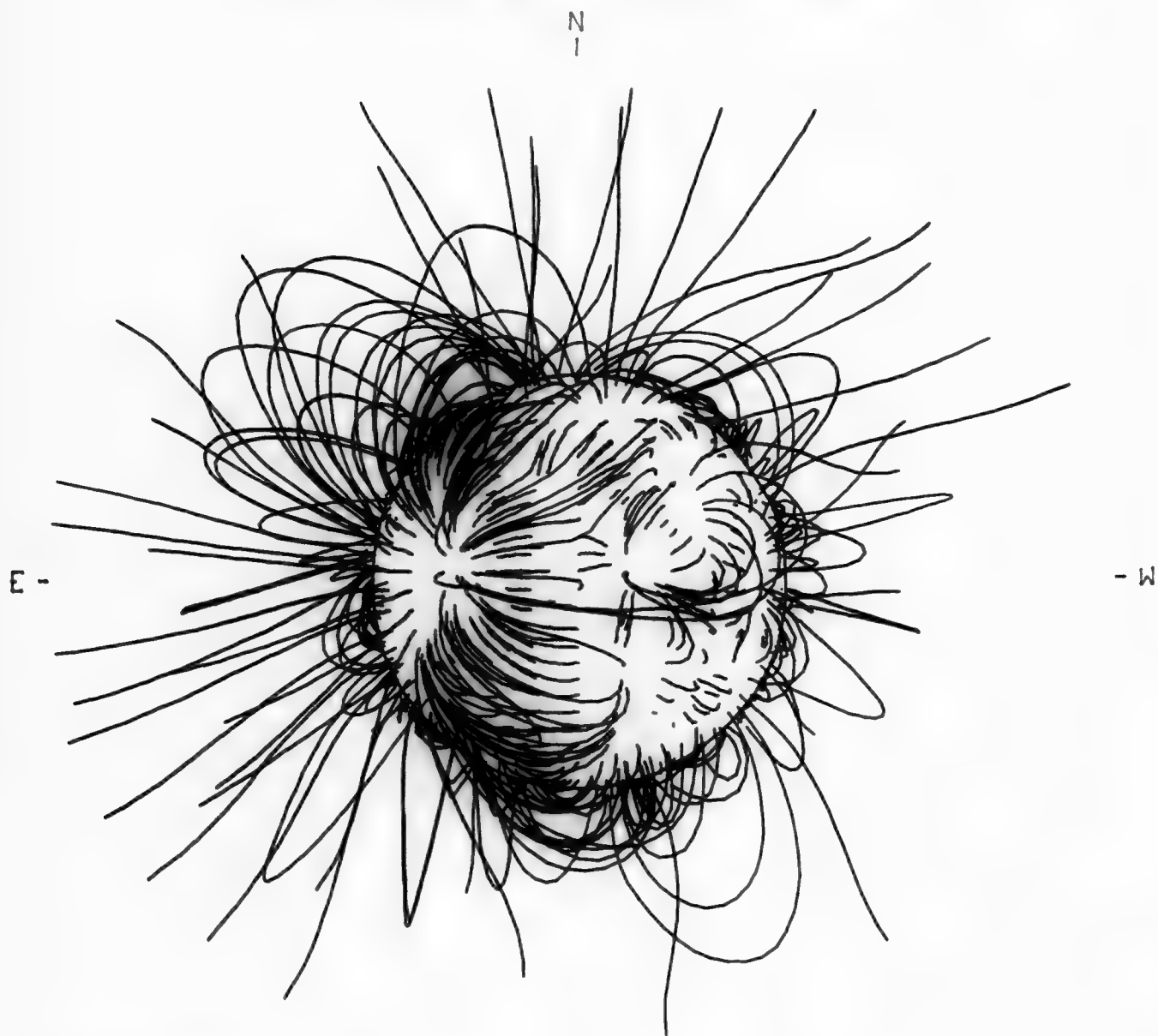


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.00

I
S

ROT. 1469 LONG. 110°
15.9 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

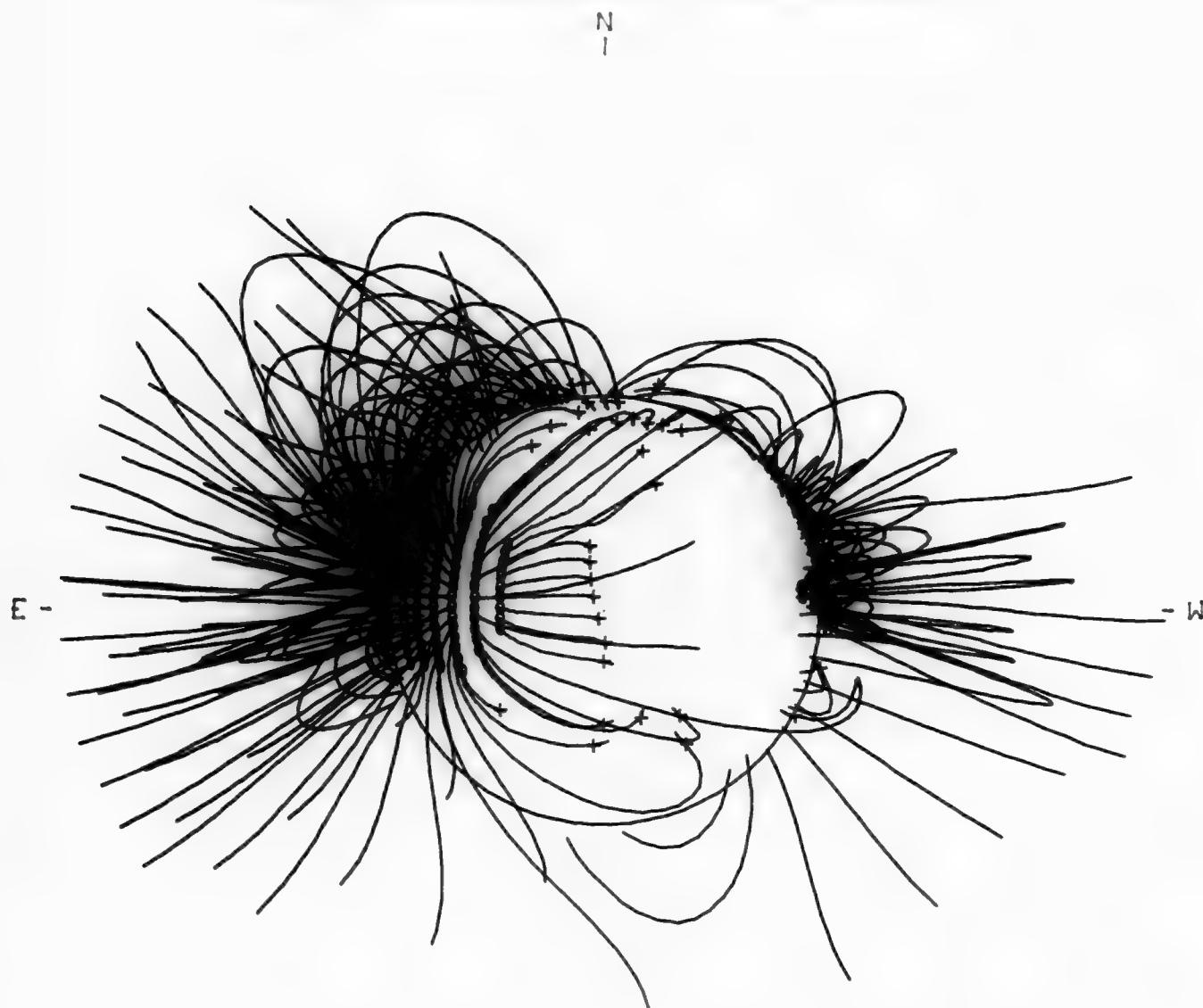
DATA WINDOW 1469.00

|
S

ROT. 1469 LONG. 100°

16.7 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

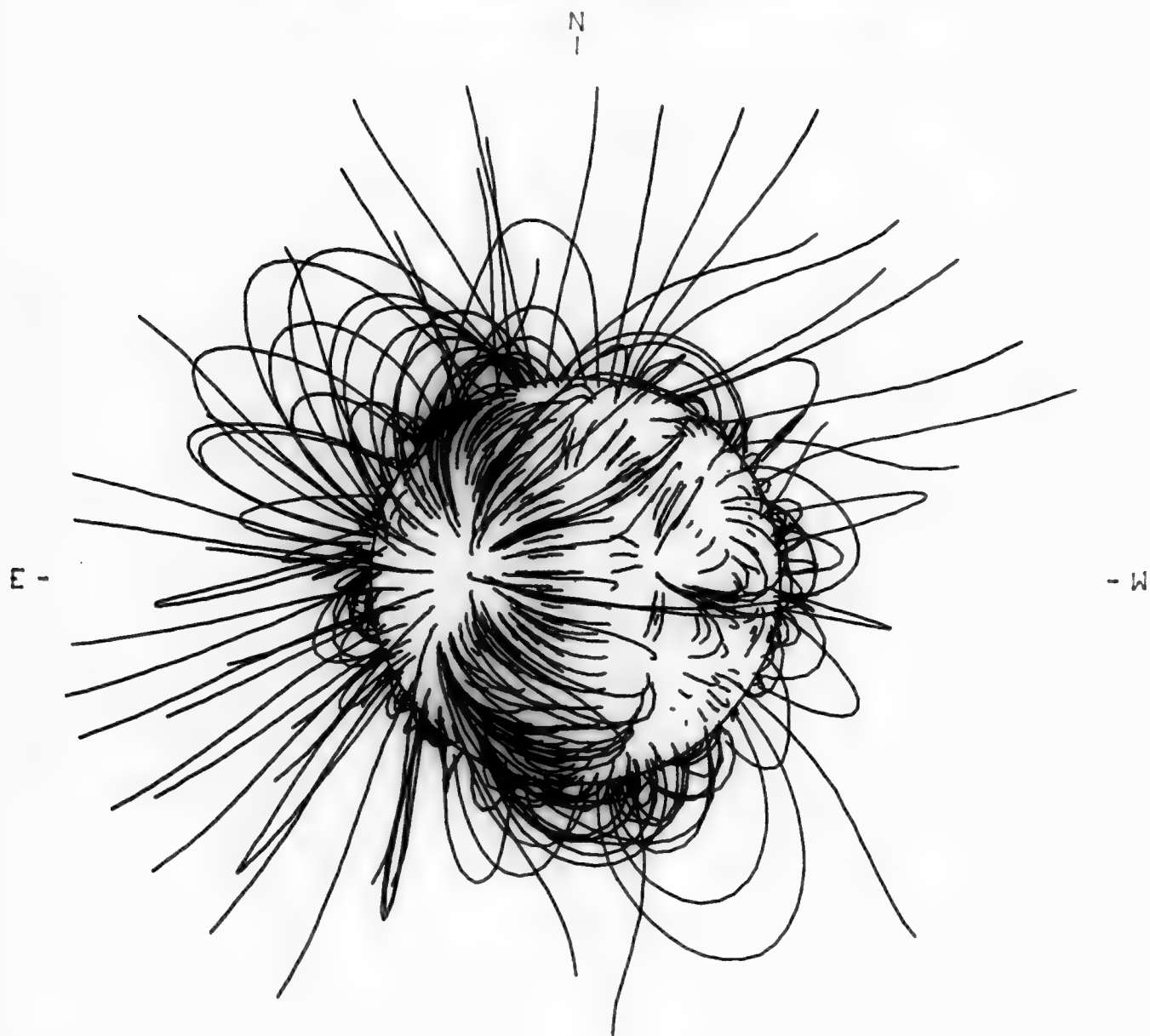
DATA WINDOW 1469.00

|
S

ROT. 1469 LONG. 100°

16.7 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1469.00

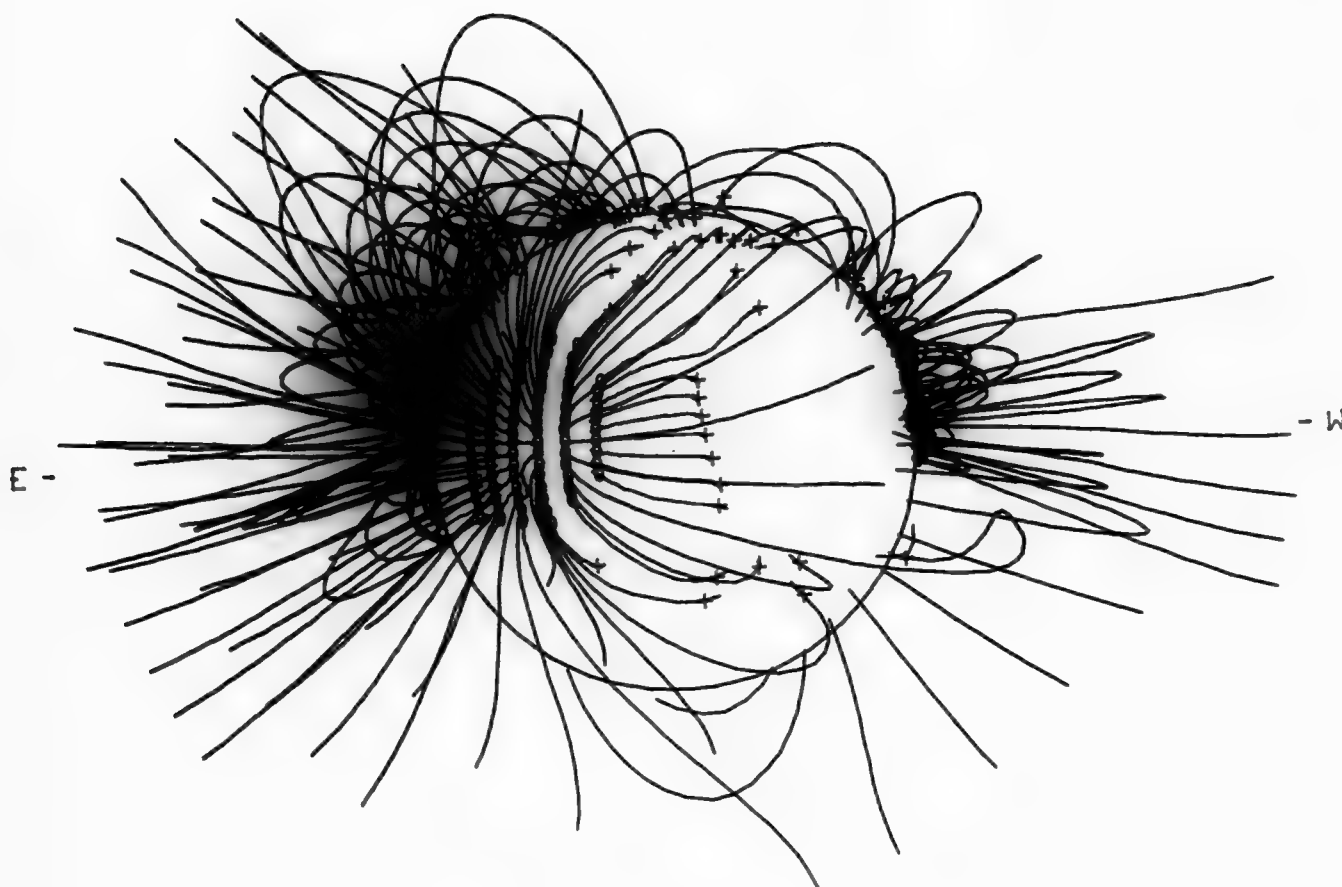
I
S

ROT. 1469 LONG. 90°

17.4 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I



QUALITY GOOD

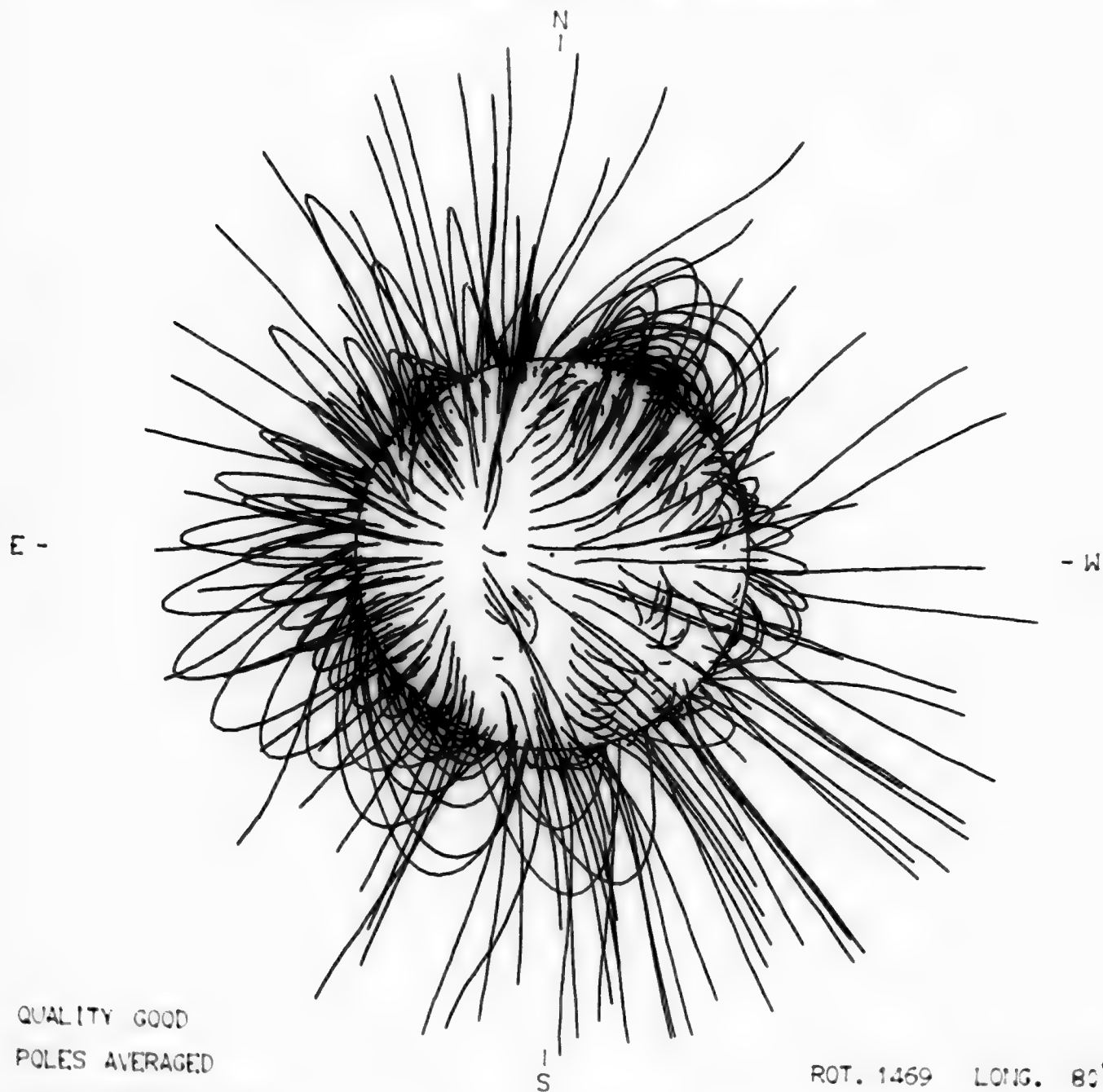
POLES AVERAGED

DATA WINDOW 1469.00

I
S

ROT. 1469 LONG. 90°
17.4 JUL 1963

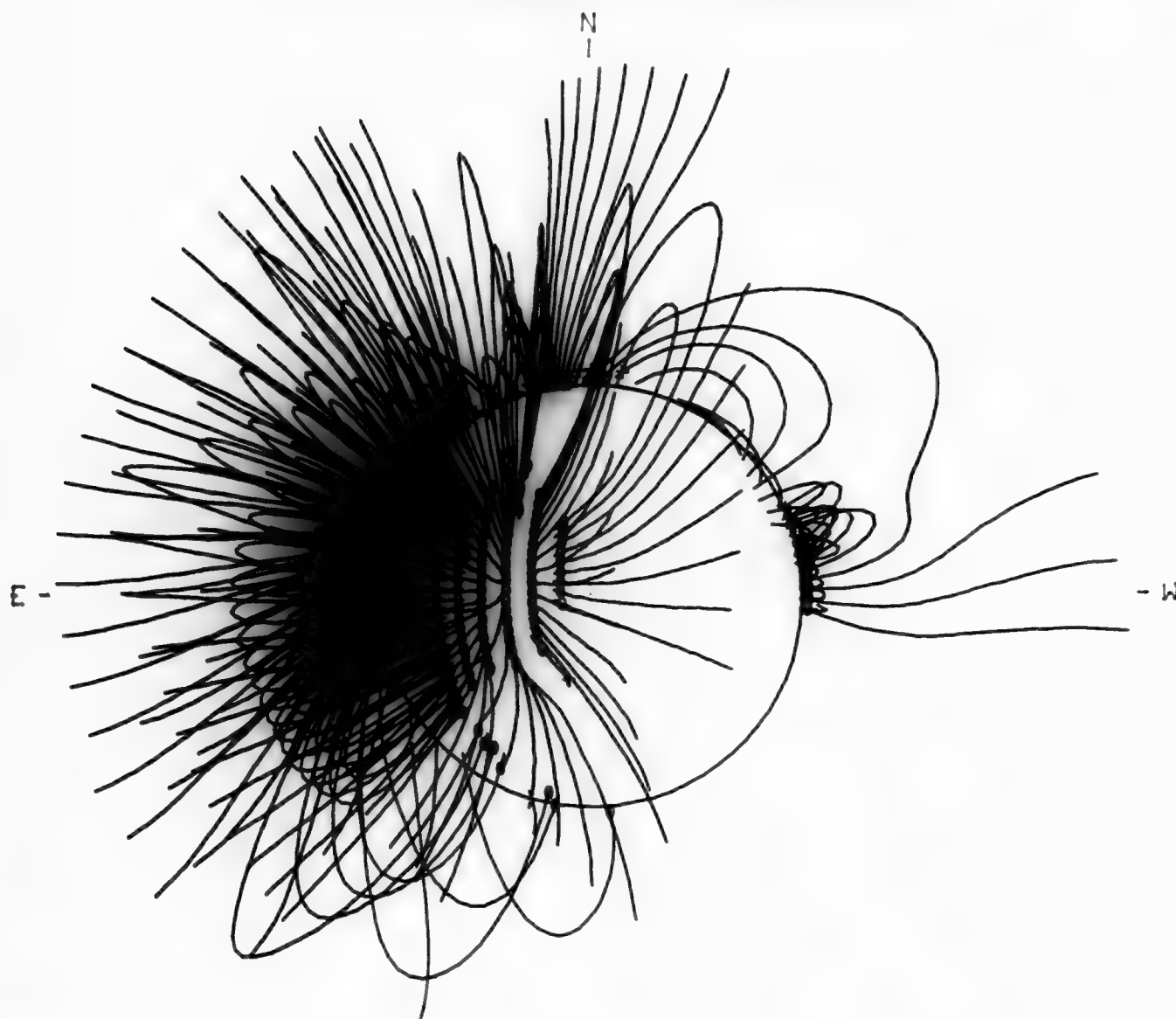
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.47

ROT. 1469 LONG. 80°
18.1 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

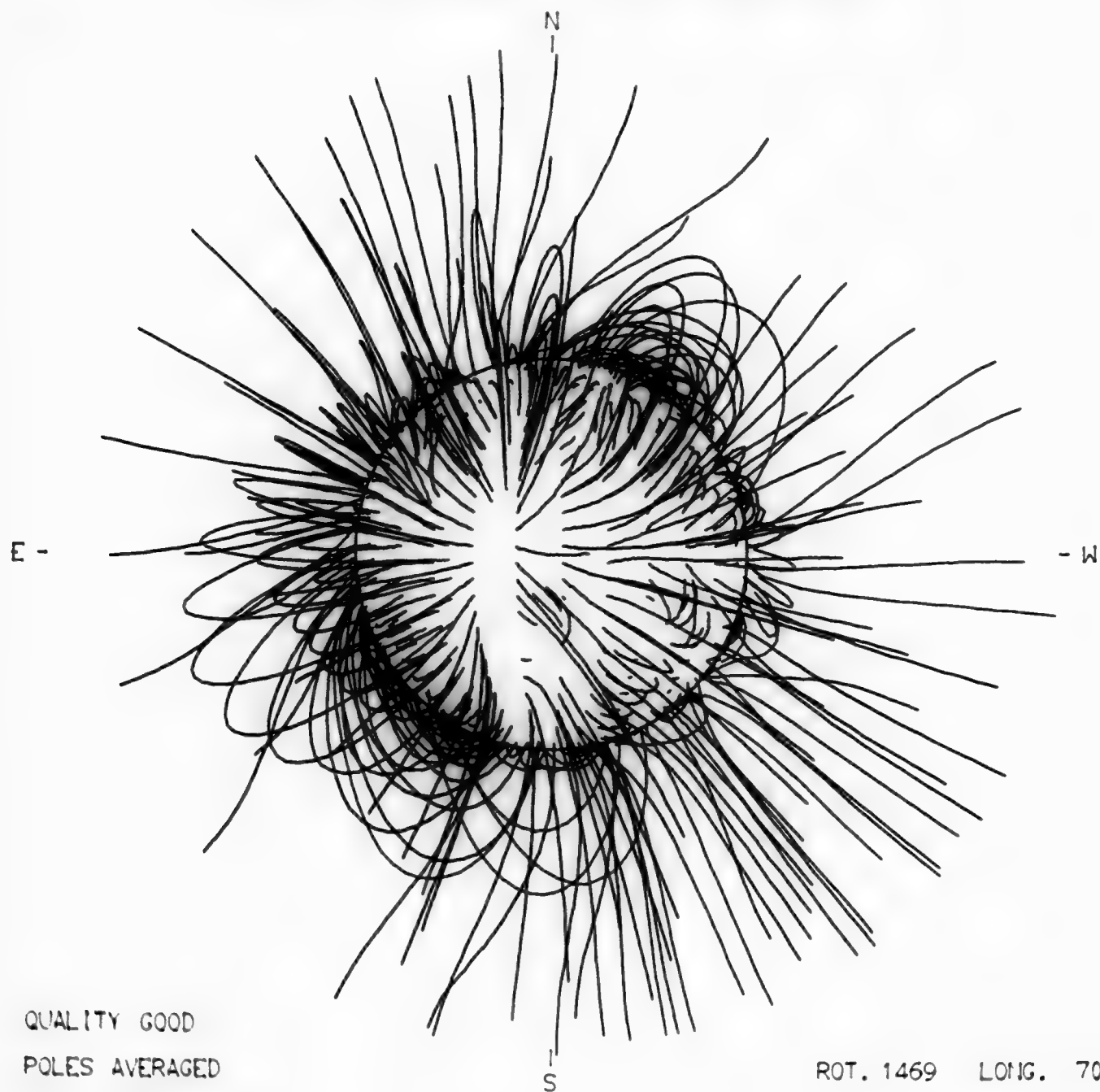
DATA WINDOW 1469.47

I
S

ROT. 1469 LONG. 80°

18.1 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

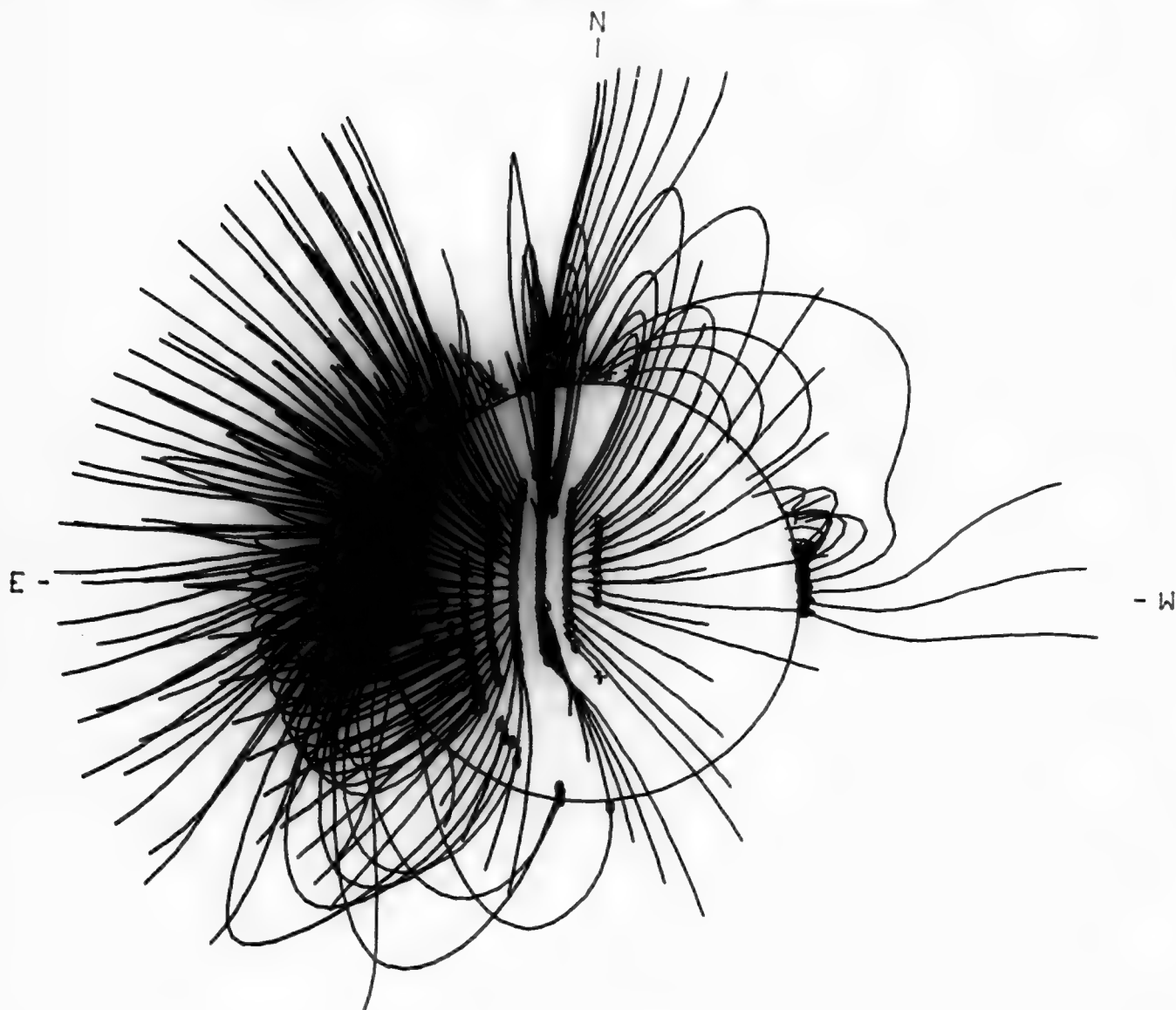
POLES AVERAGED

DATA WINDOW 1469.47

ROT. 1469 LONG. 70°

18.9 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

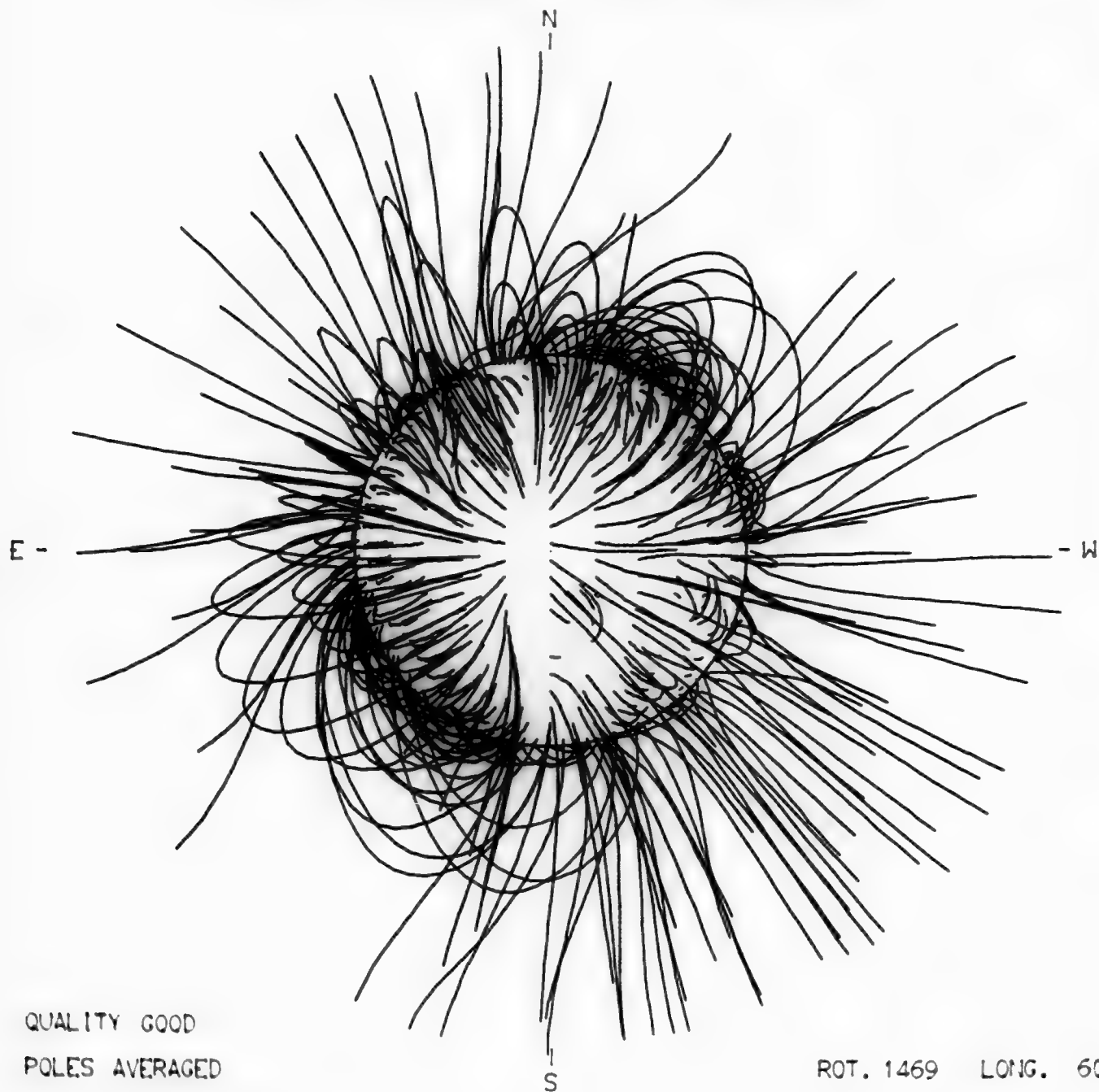
DATA WINDOW 1469.47

I
S

ROT. 1469 LONG. 70°

18.9 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

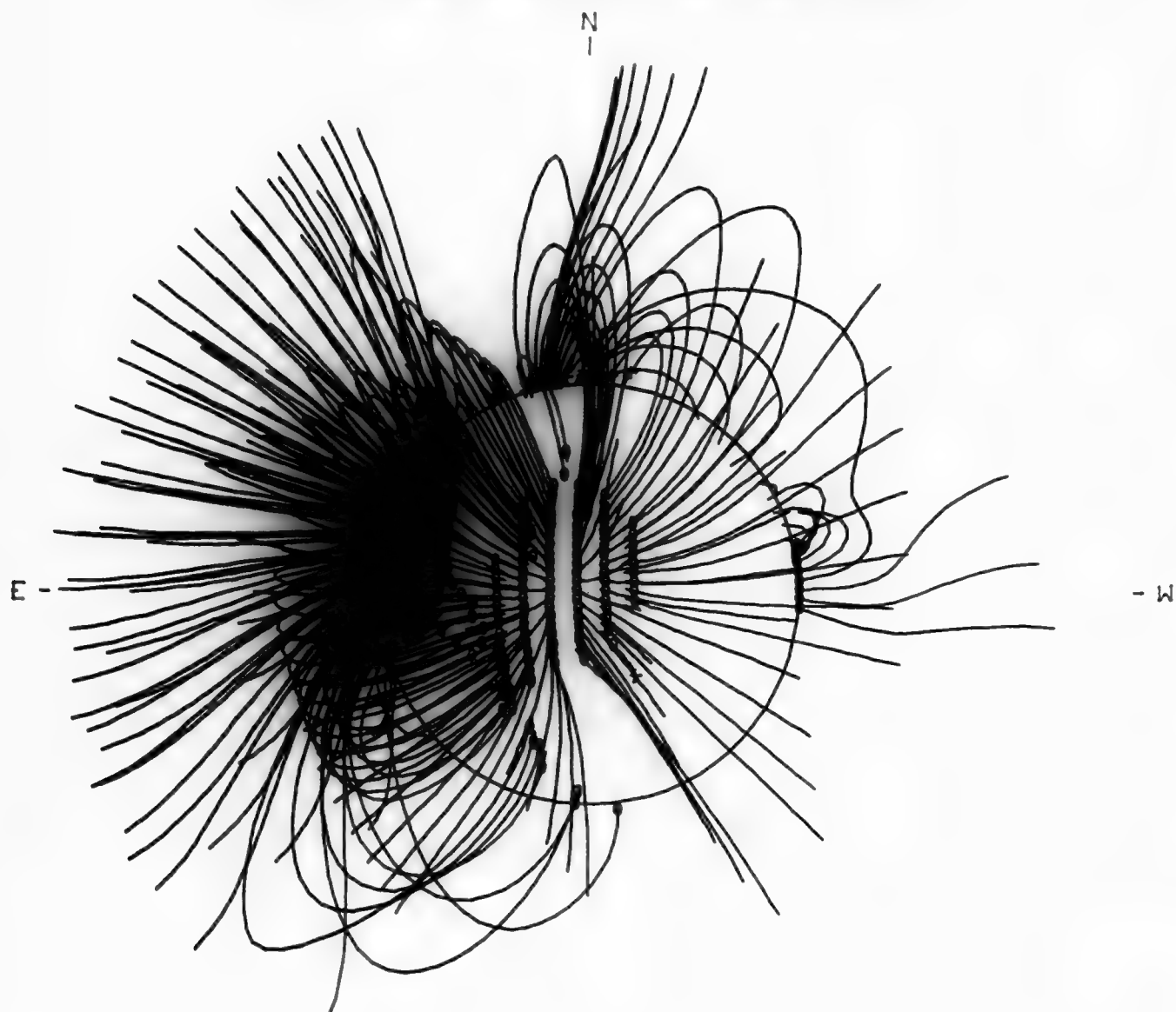
POLES AVERAGED

DATA WINDOW 1469.47

ROT. 1469 LONG. 60°

19.7 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

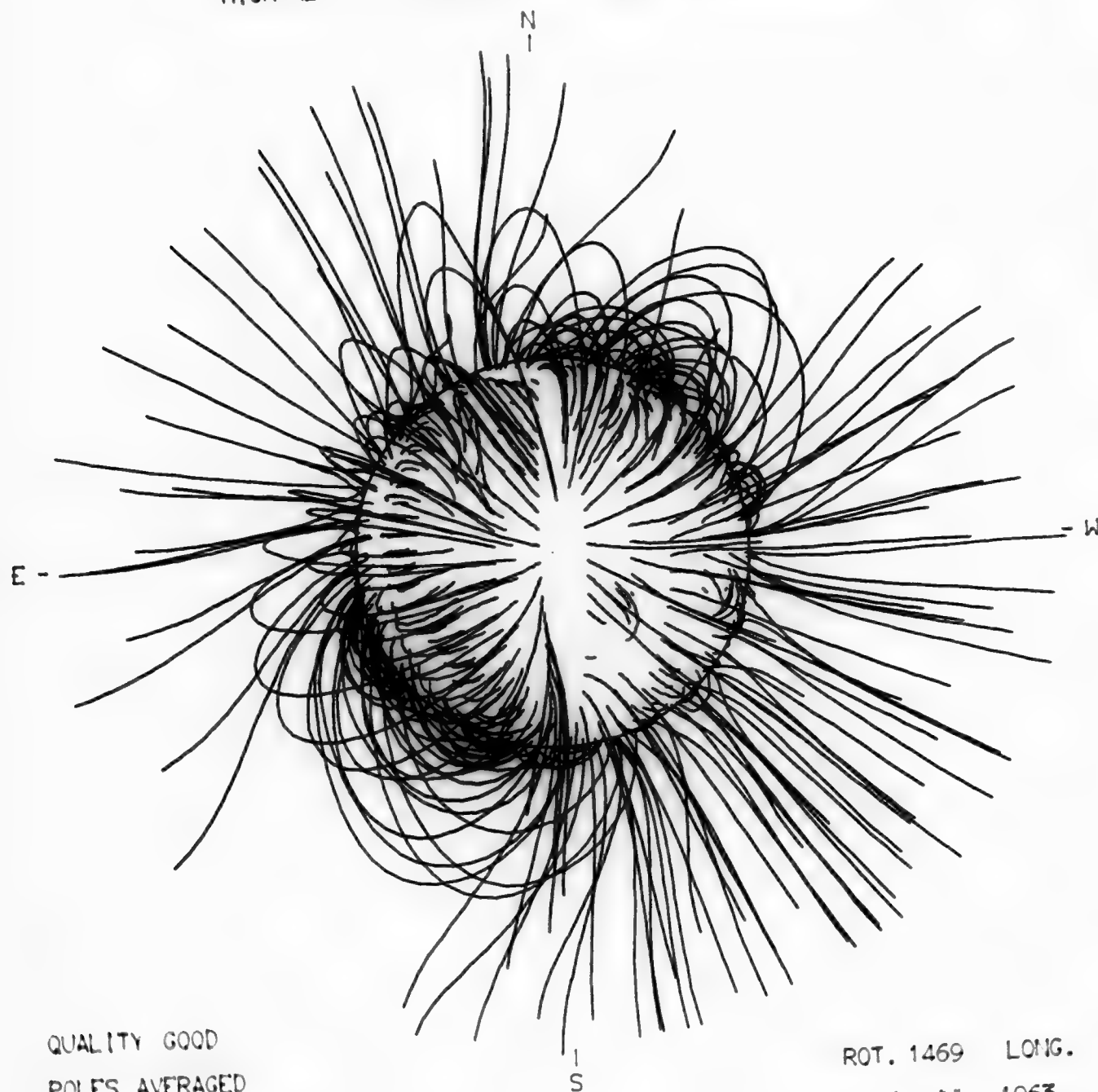
DATA WINDOW 1469.47

I
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ROT. 1469 LONG. 60°

19.7 JUL 1963

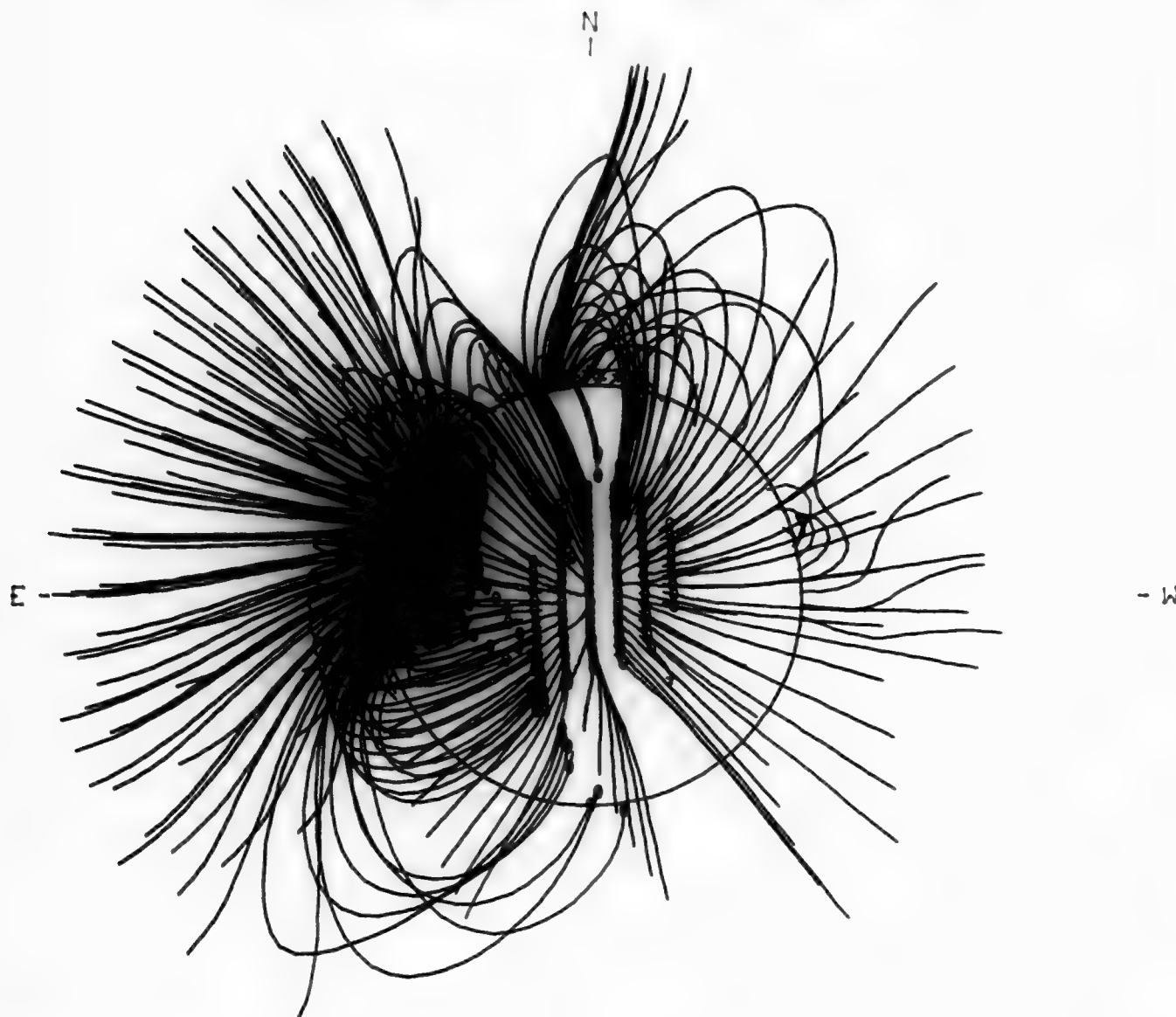
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.47

ROT. 1469 LONG. 50°
20.4 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

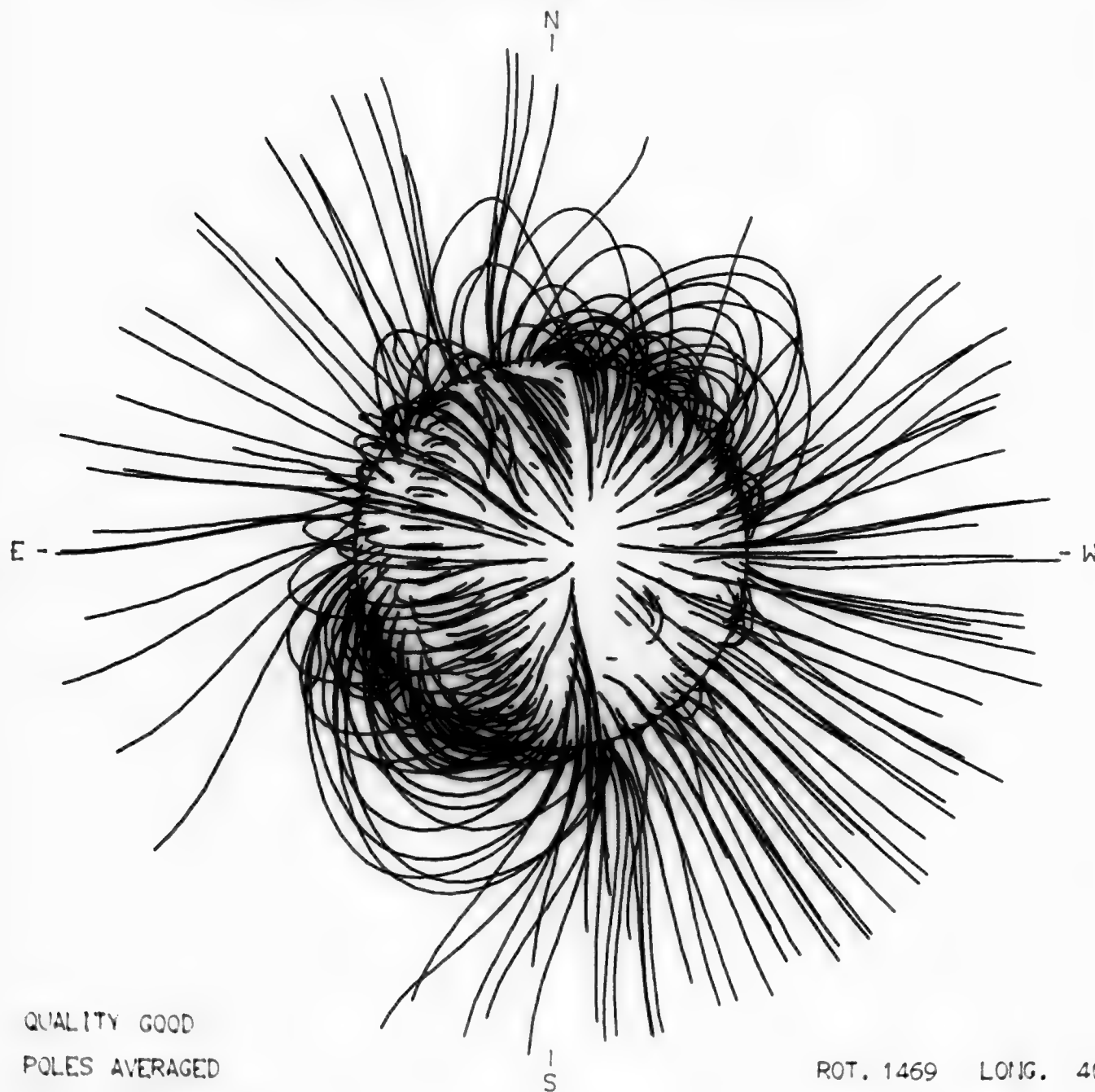
DATA WINDOW 1469.47

I
S

ROT. 1469 LONG. 50°

20.4 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

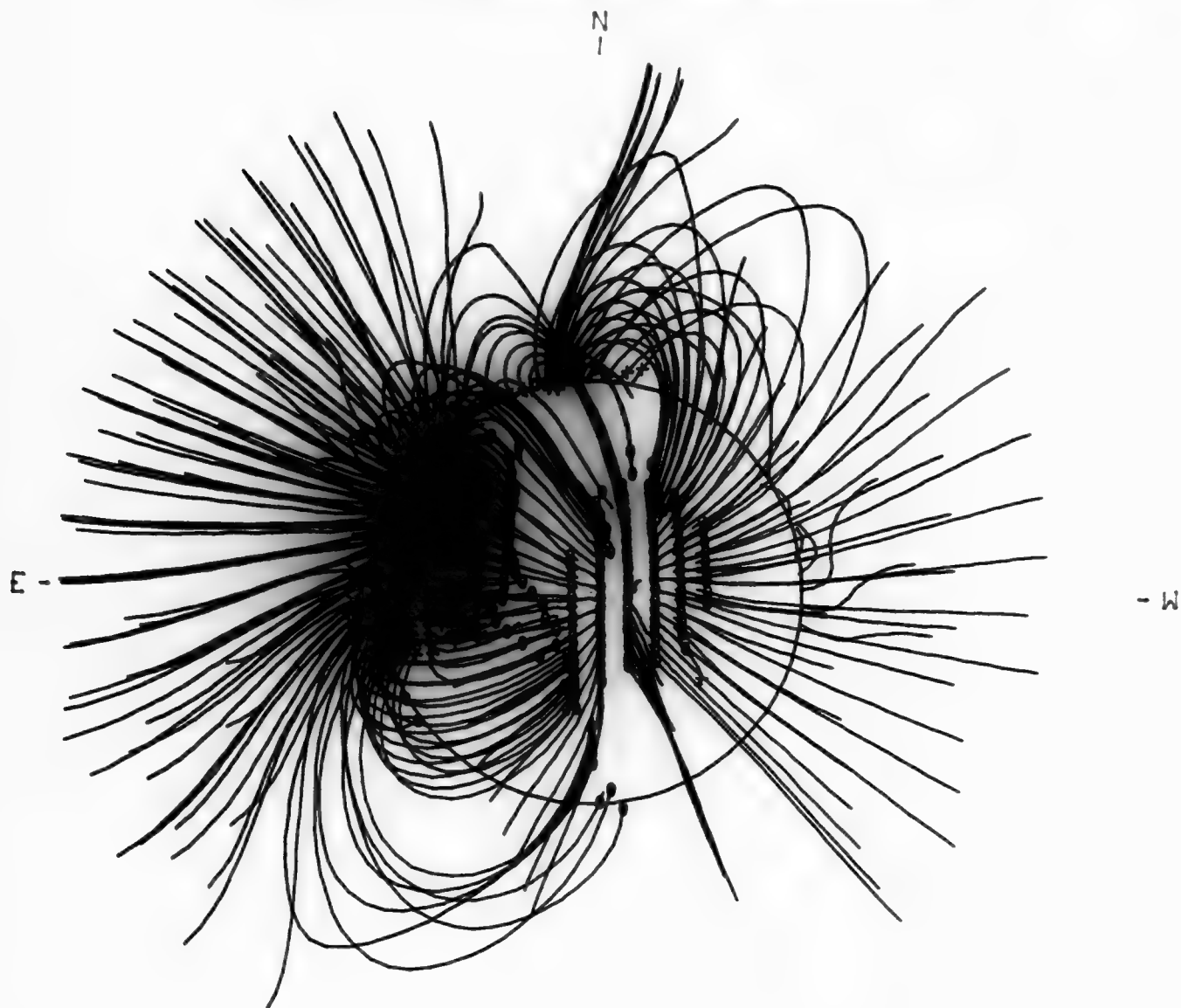
POLES AVERAGED

DATA WINDOW 1469.47

ROT. 1469 LONG. 40°

21.2 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

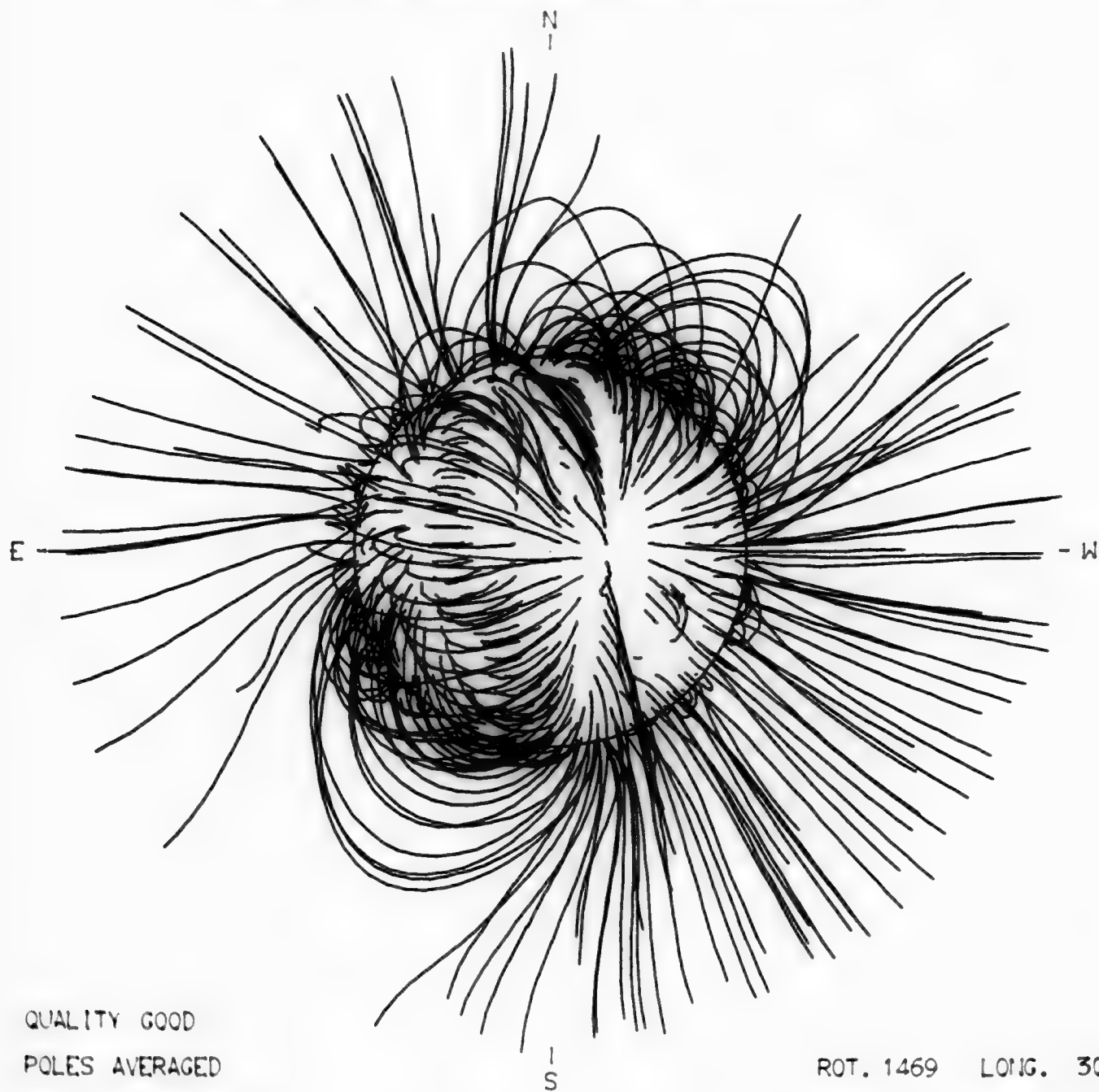
DATA WINDOW 1469.47

I
S

ROT. 1469 LONG. 40°

21.2 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

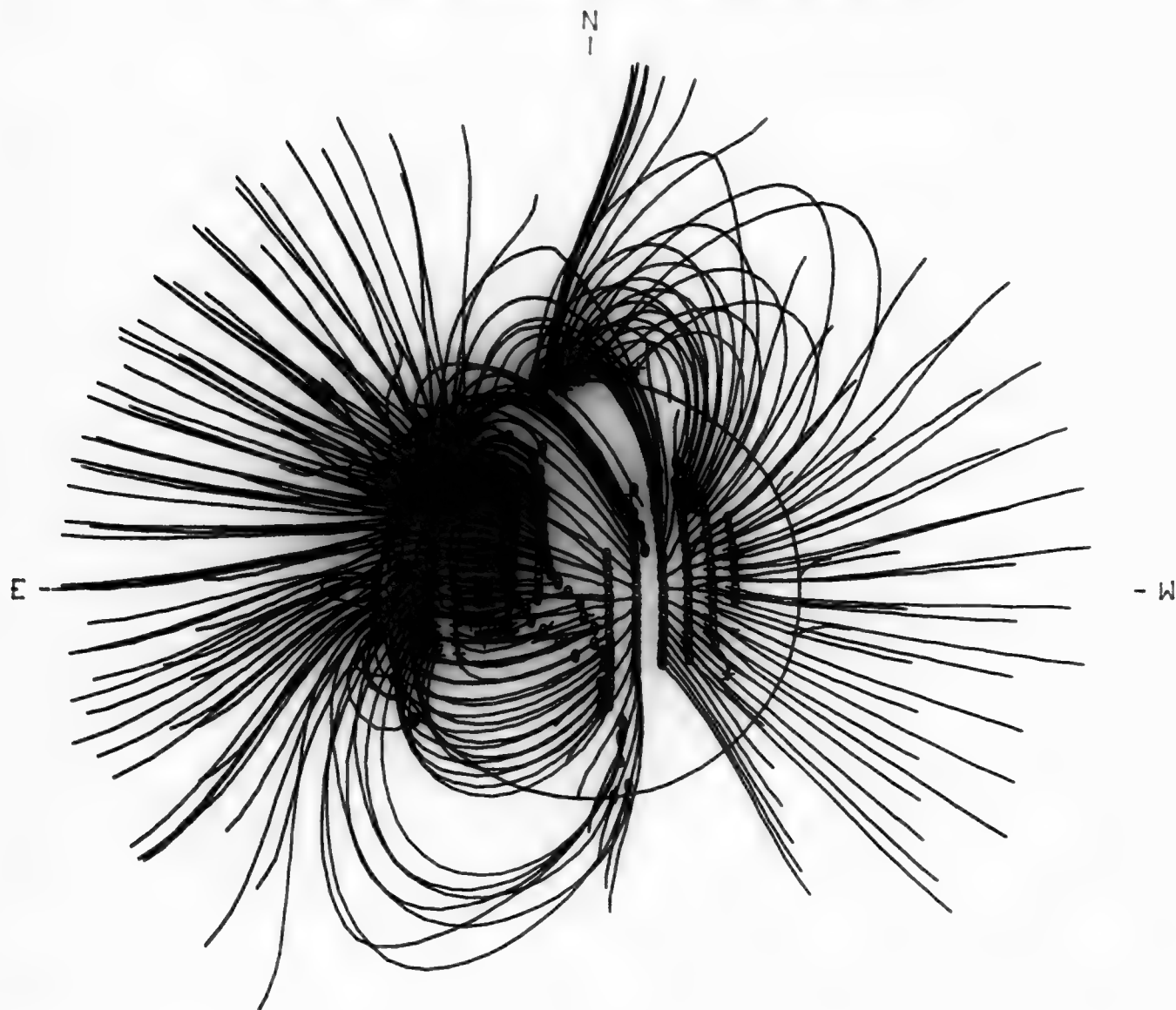
POLES AVERAGED

DATA WINDOW 1469.47

ROT. 1469 LONG. 30°

21.9 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

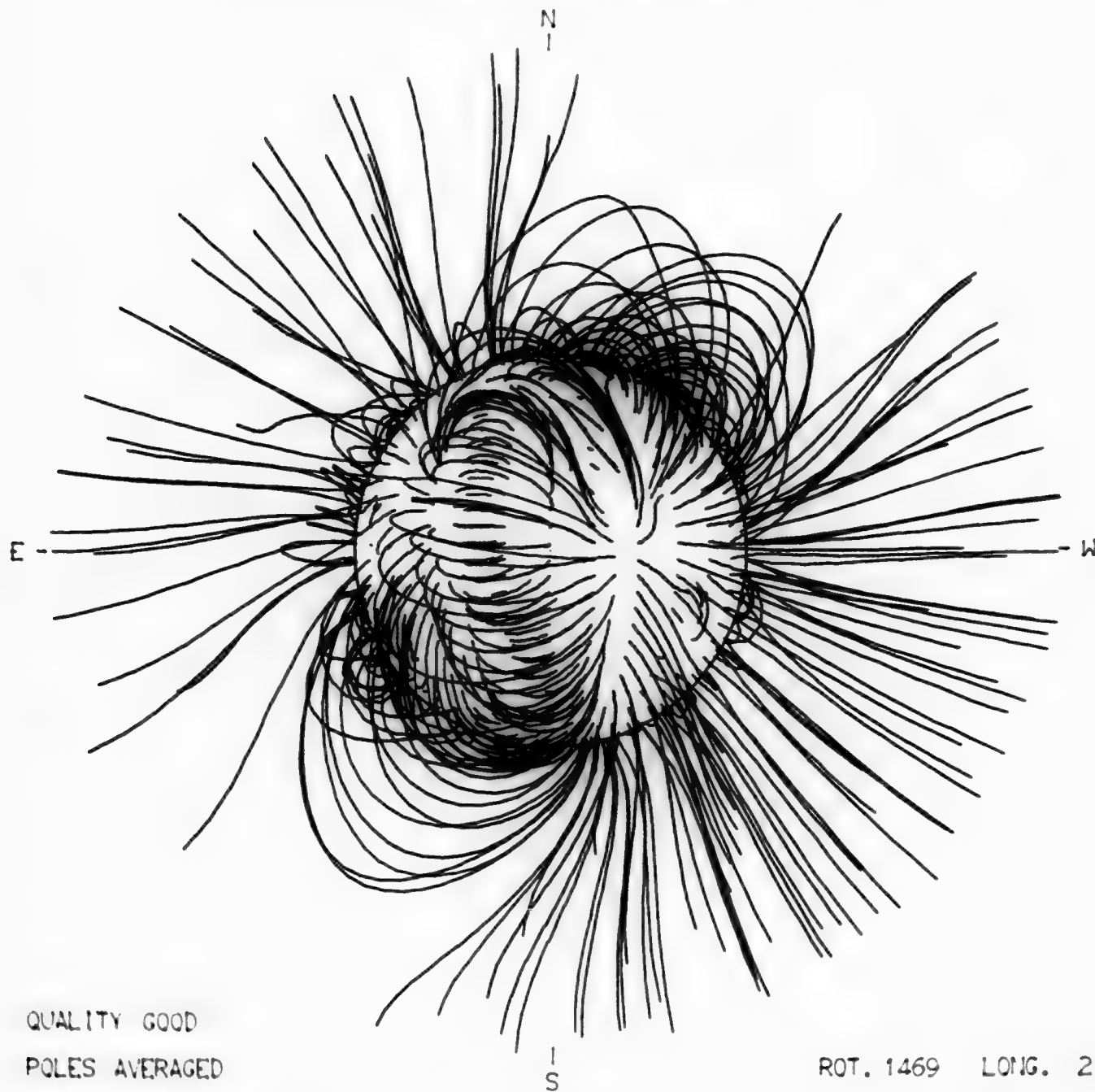
DATA WINDOW 1469.47

I
S

ROT. 1469 LONG. 30°

21.9 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

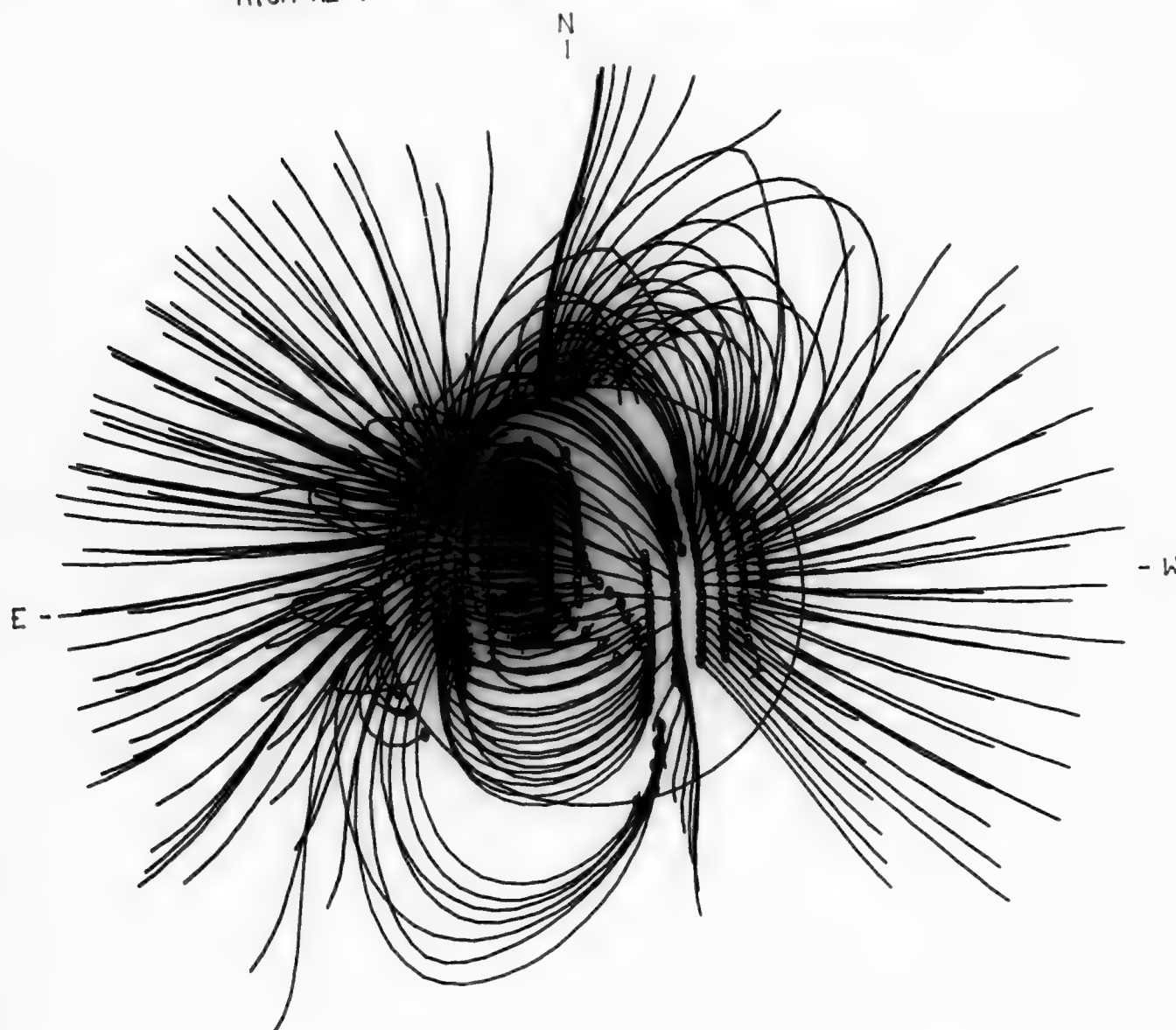
POLES AVERAGED

DATA WINDOW 1469.47

ROT. 1469 LONG. 20°

22.7 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

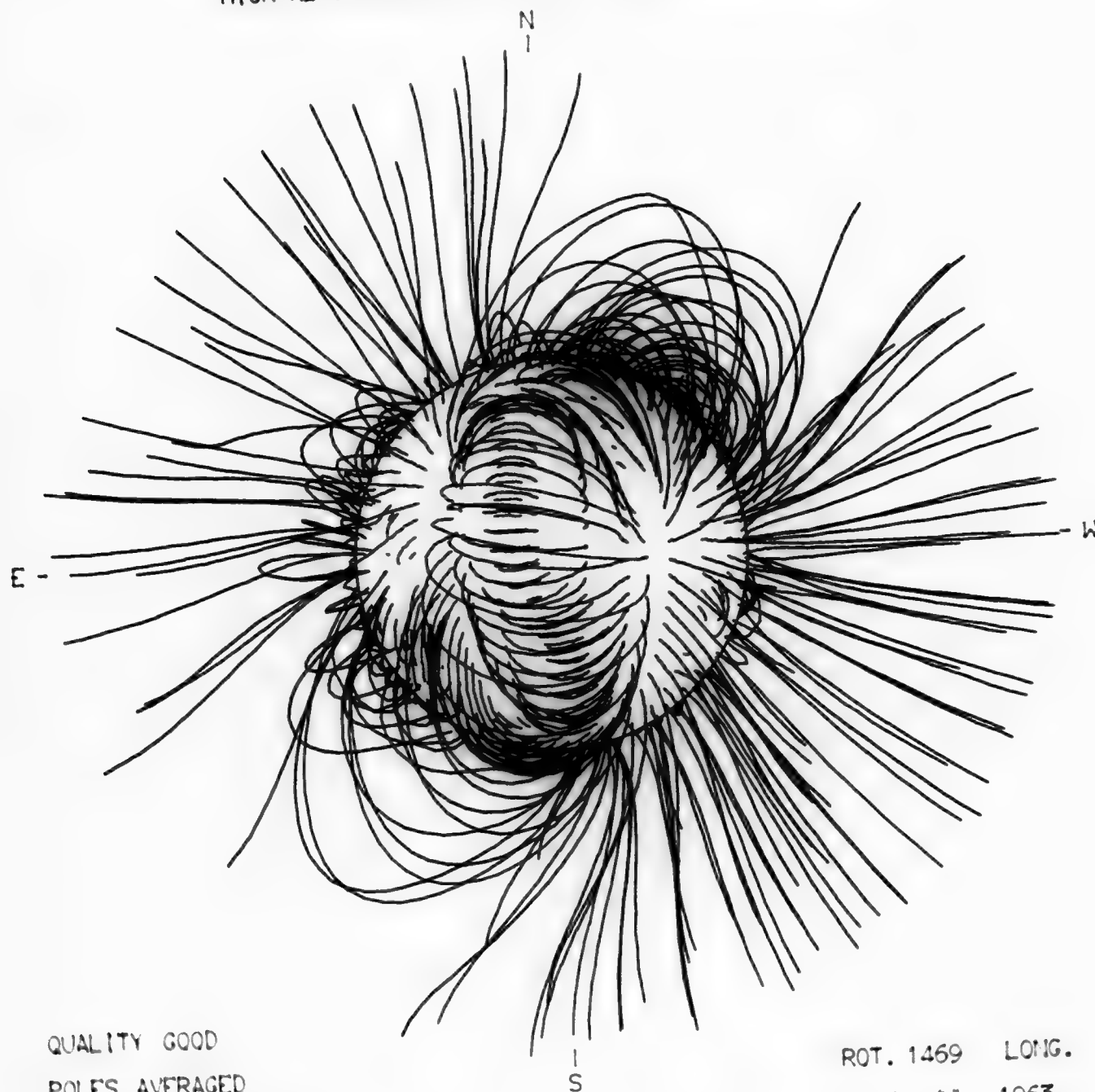


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.47

I
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ROT. 1469 LONG. 20°
22.7 JUL 1963

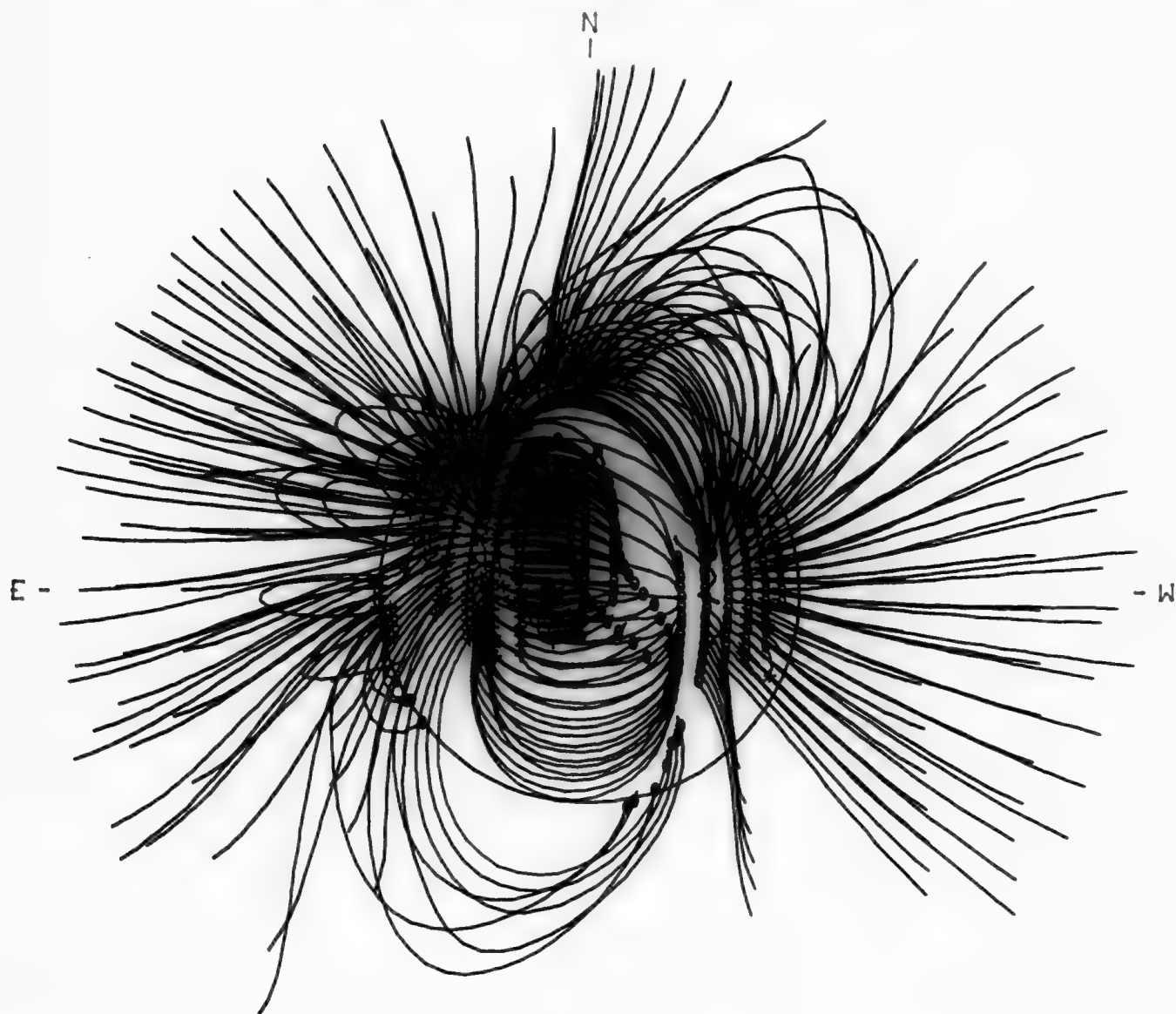
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.47

ROT. 1469 LONG. 10°
23.4 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

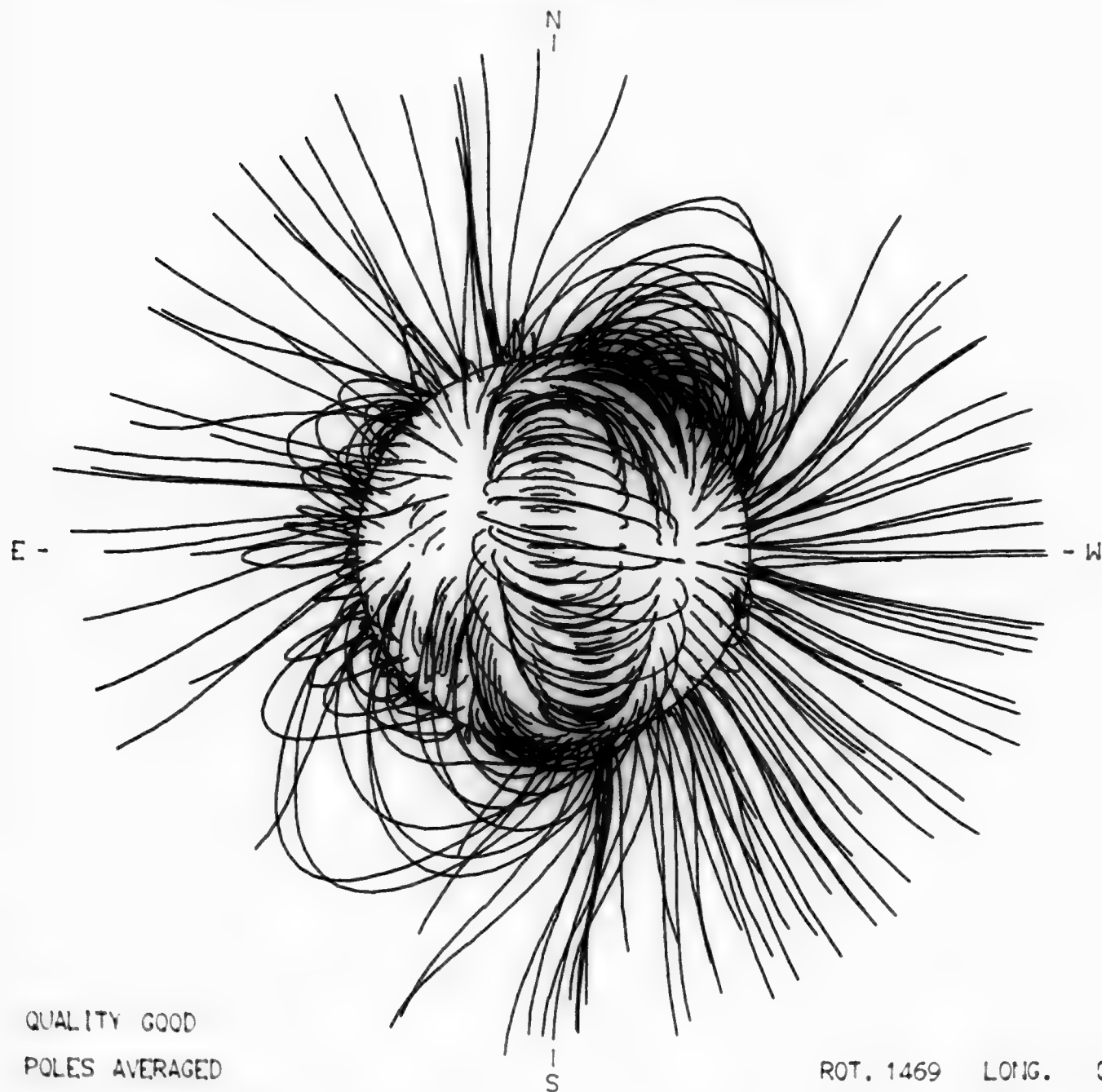
DATA WINDOW 1469.47

I
S

ROT. 1469 LONG. 10°

23.4 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

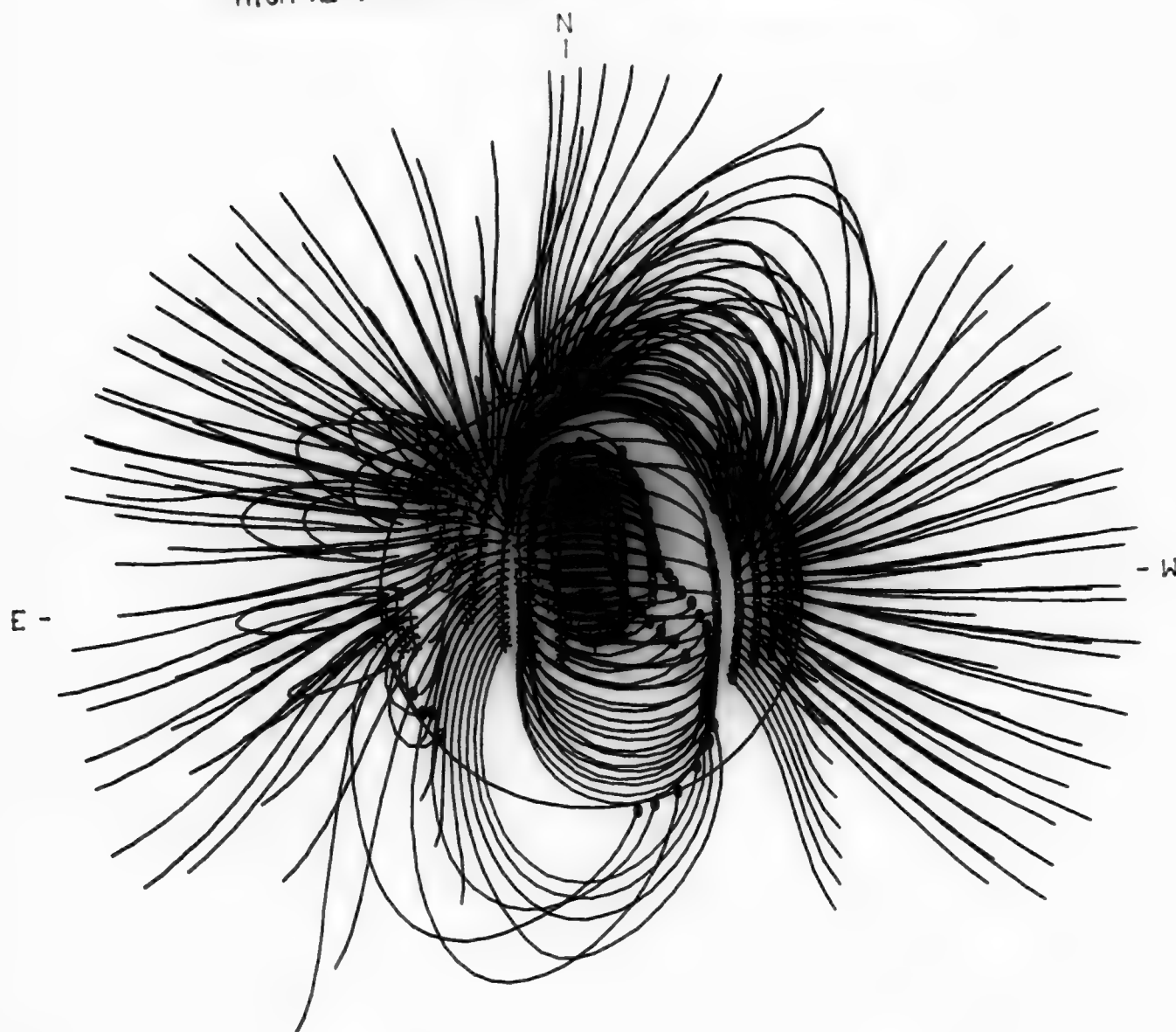
POLES AVERAGED

DATA WINDOW 1469.47

ROT. 1469 LONG. 0°

24.2 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

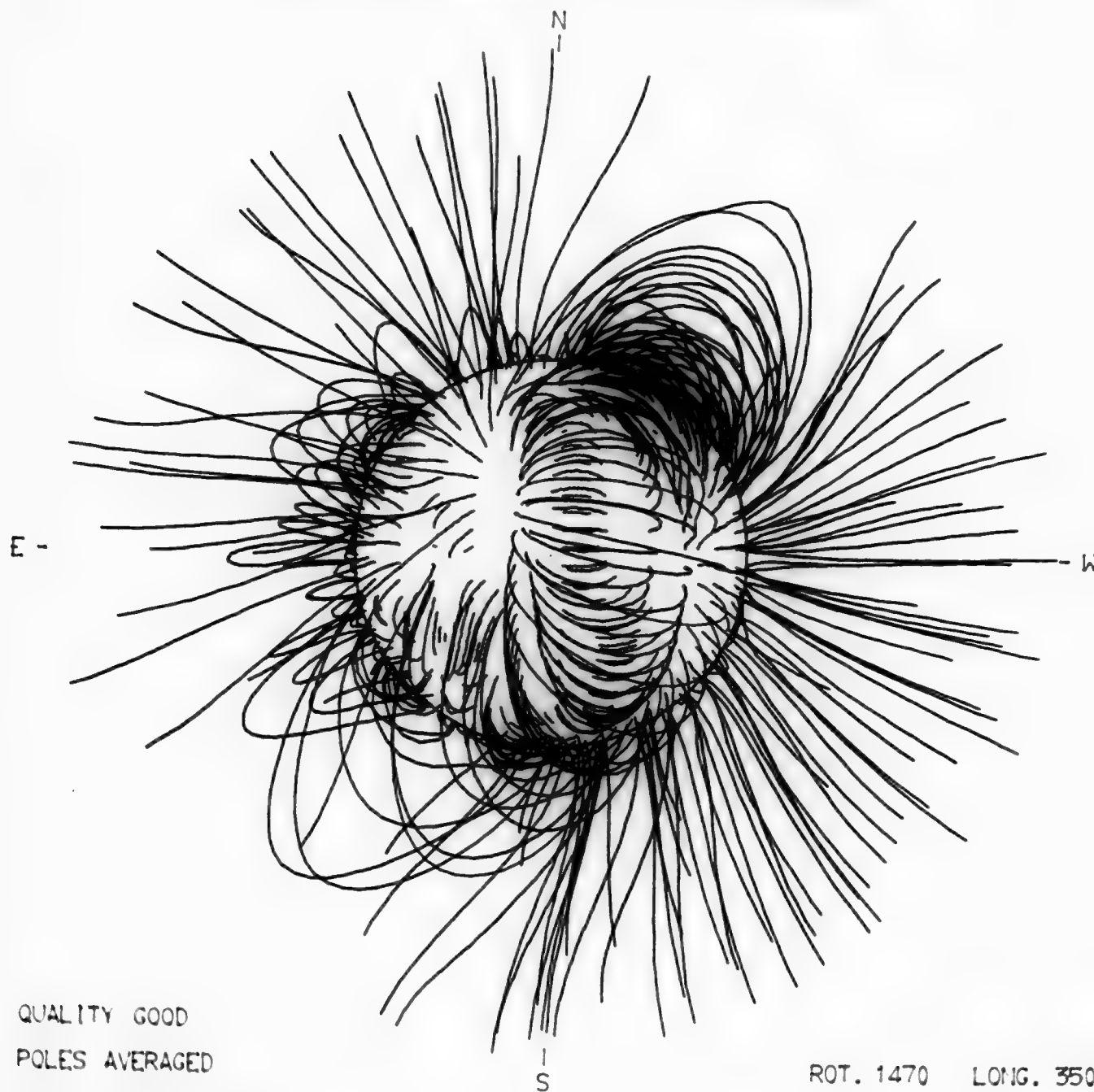


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.47

I
S

ROT. 1469 LONG. 0°
24.2 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

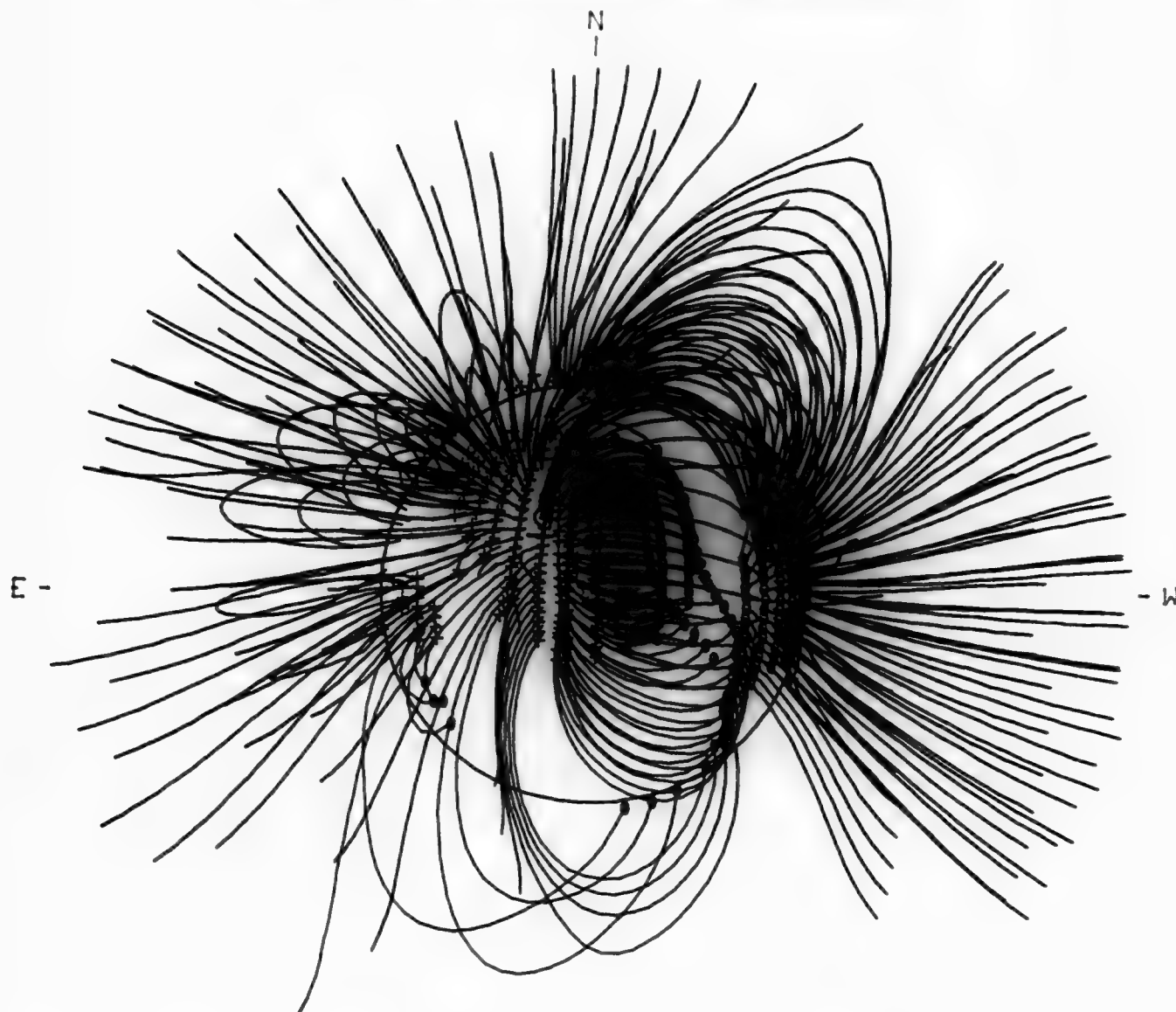
POLES AVERAGED

DATA WINDOW 1469.47

ROT. 1470 LONG. 350°

25.0 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

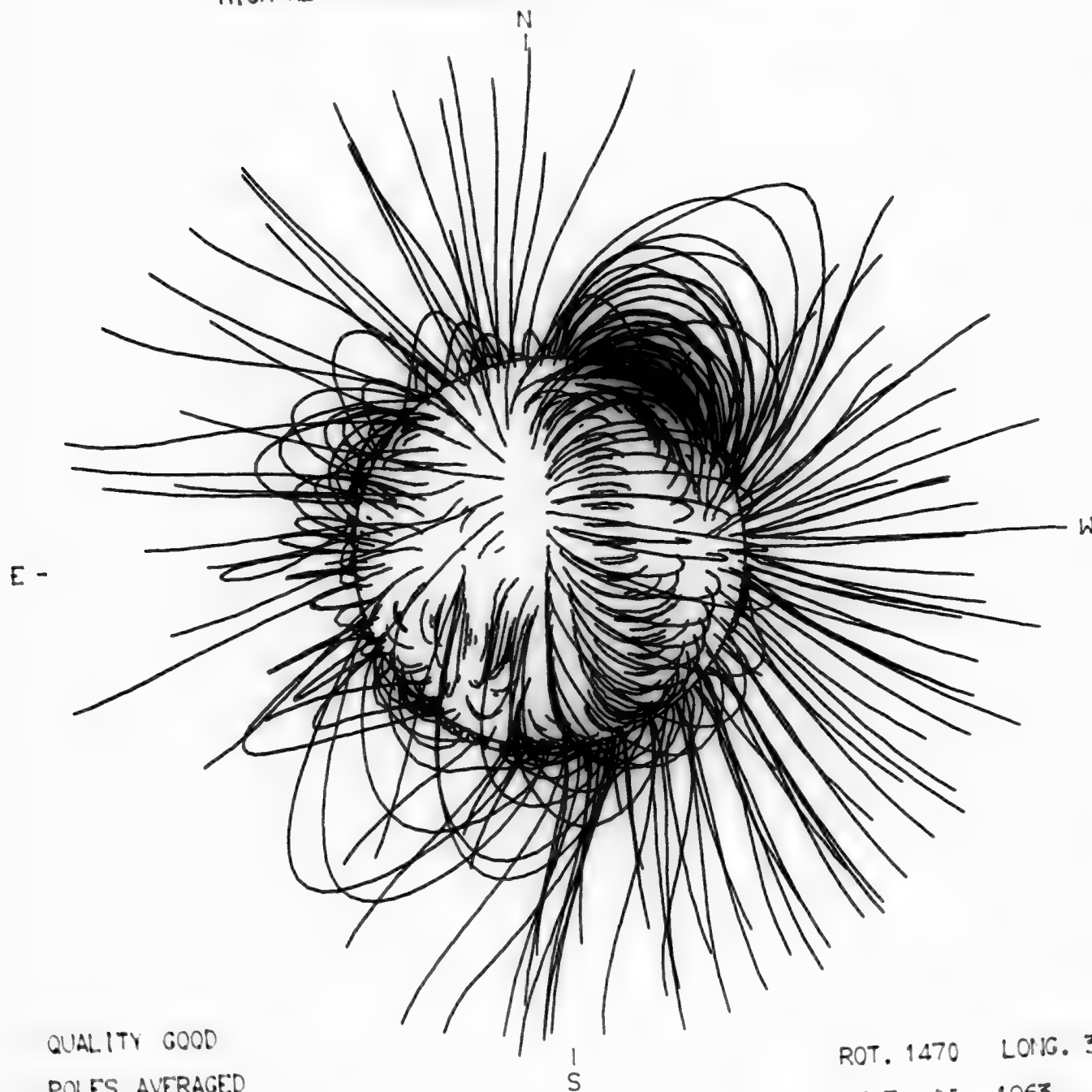
DATA WINDOW 1469.47

I
S

ROT. 1470 LONG. 350°

25.0 JUL 1963

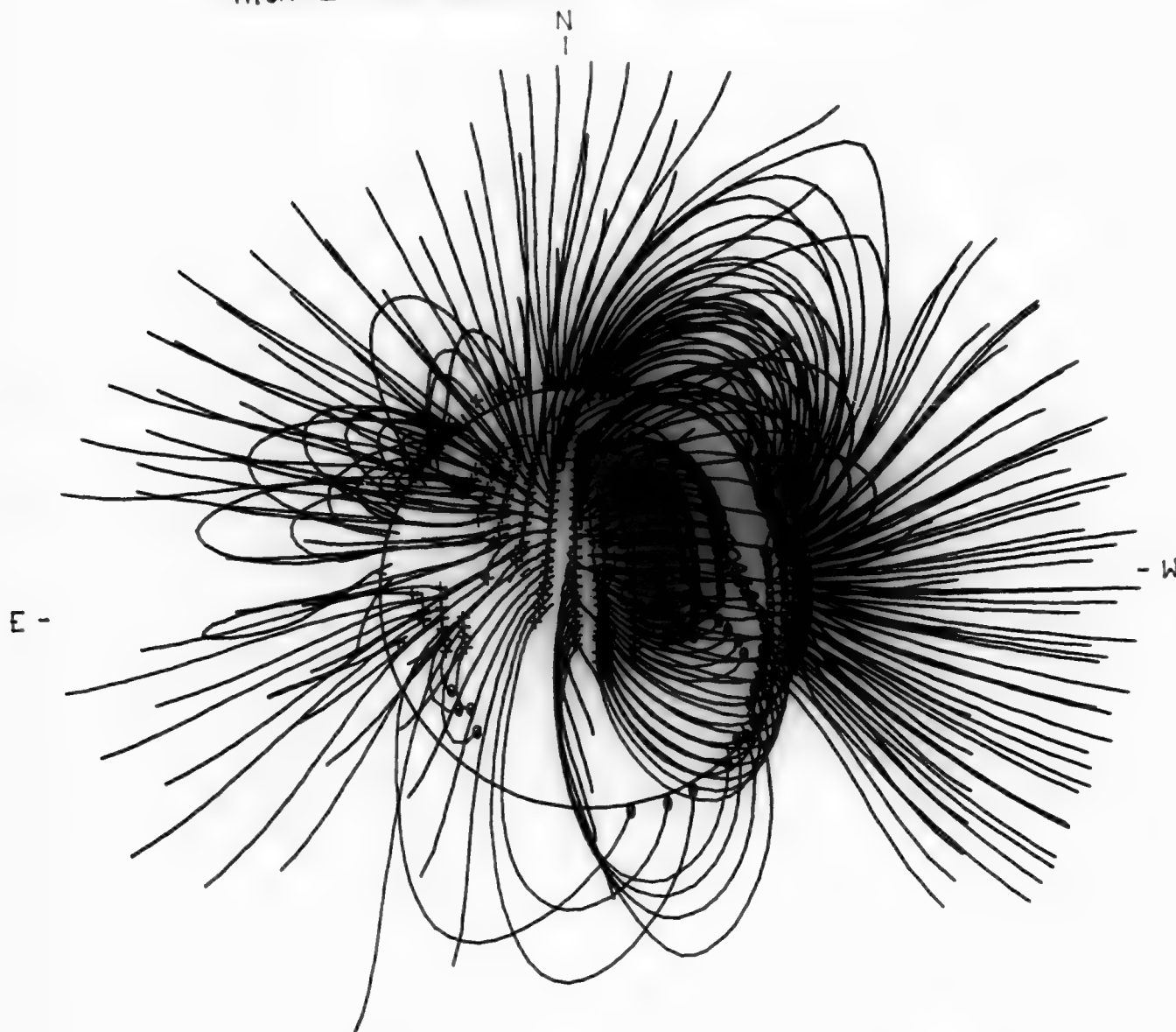
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.47

ROT. 1470 LONG. 340°
25.7 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

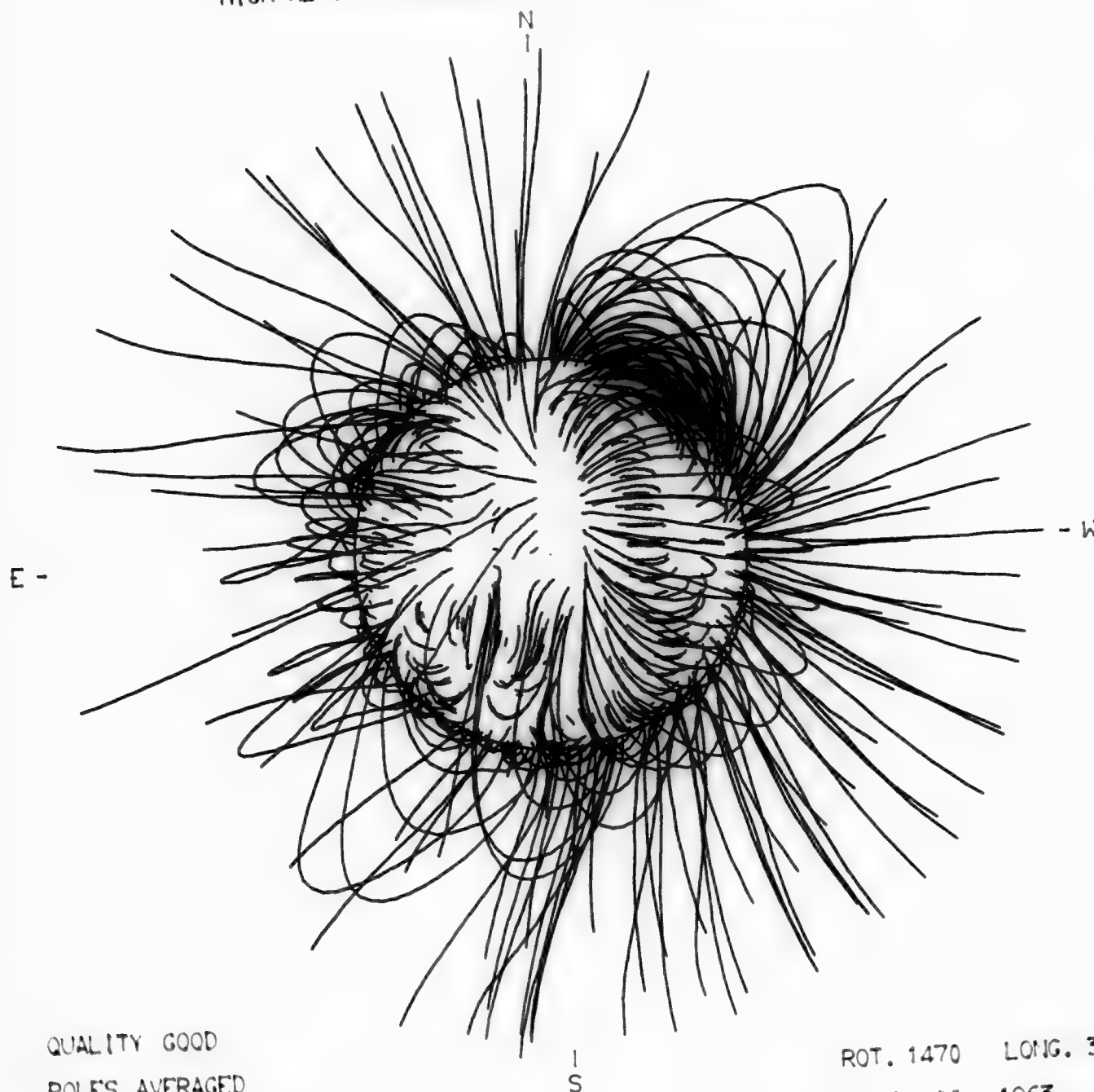


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.47

I
S

ROT. 1470 LONG. 340°
25.7 JUL 1963

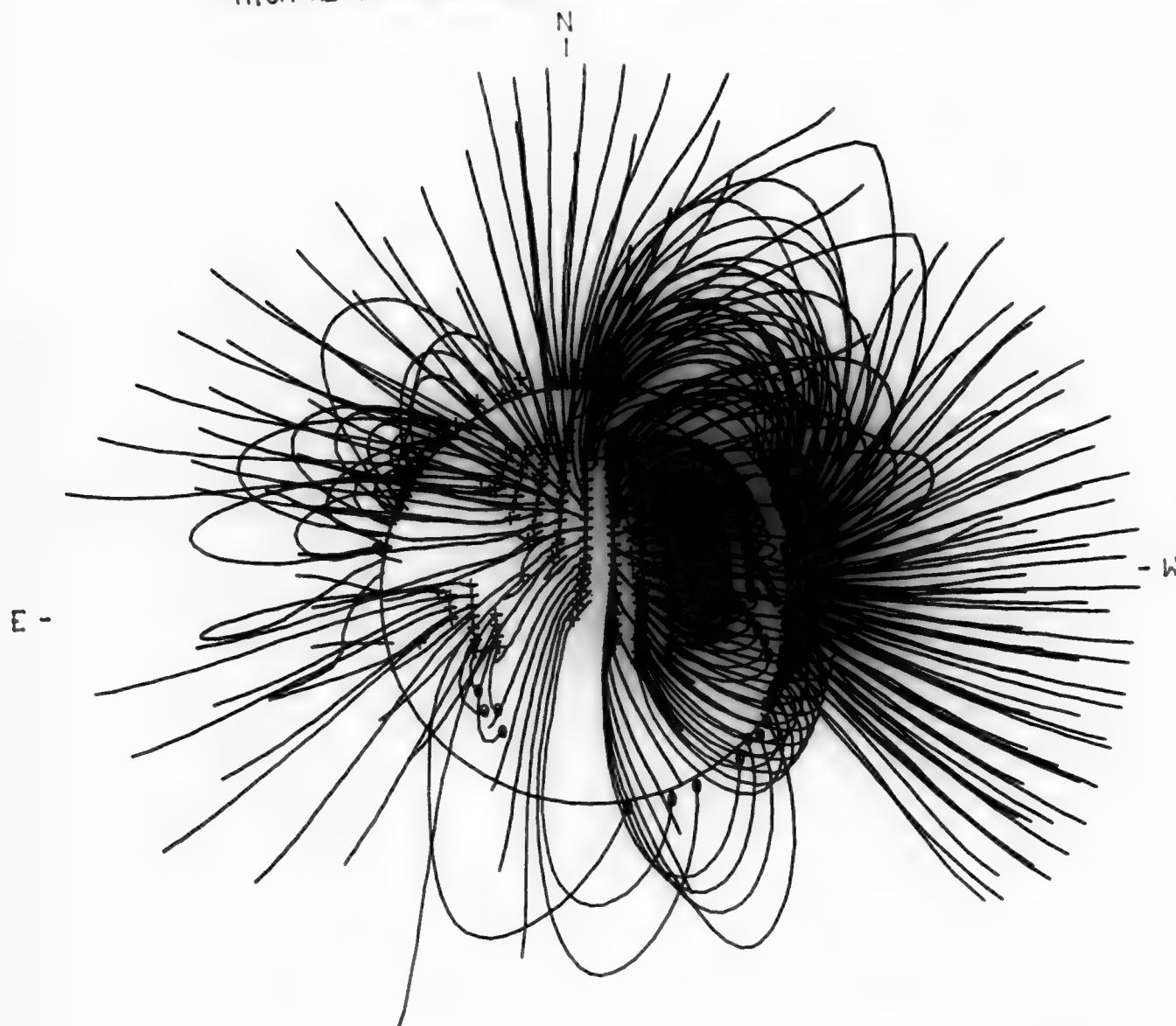
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.47

ROT. 1470 LONG. 330°
26.5 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

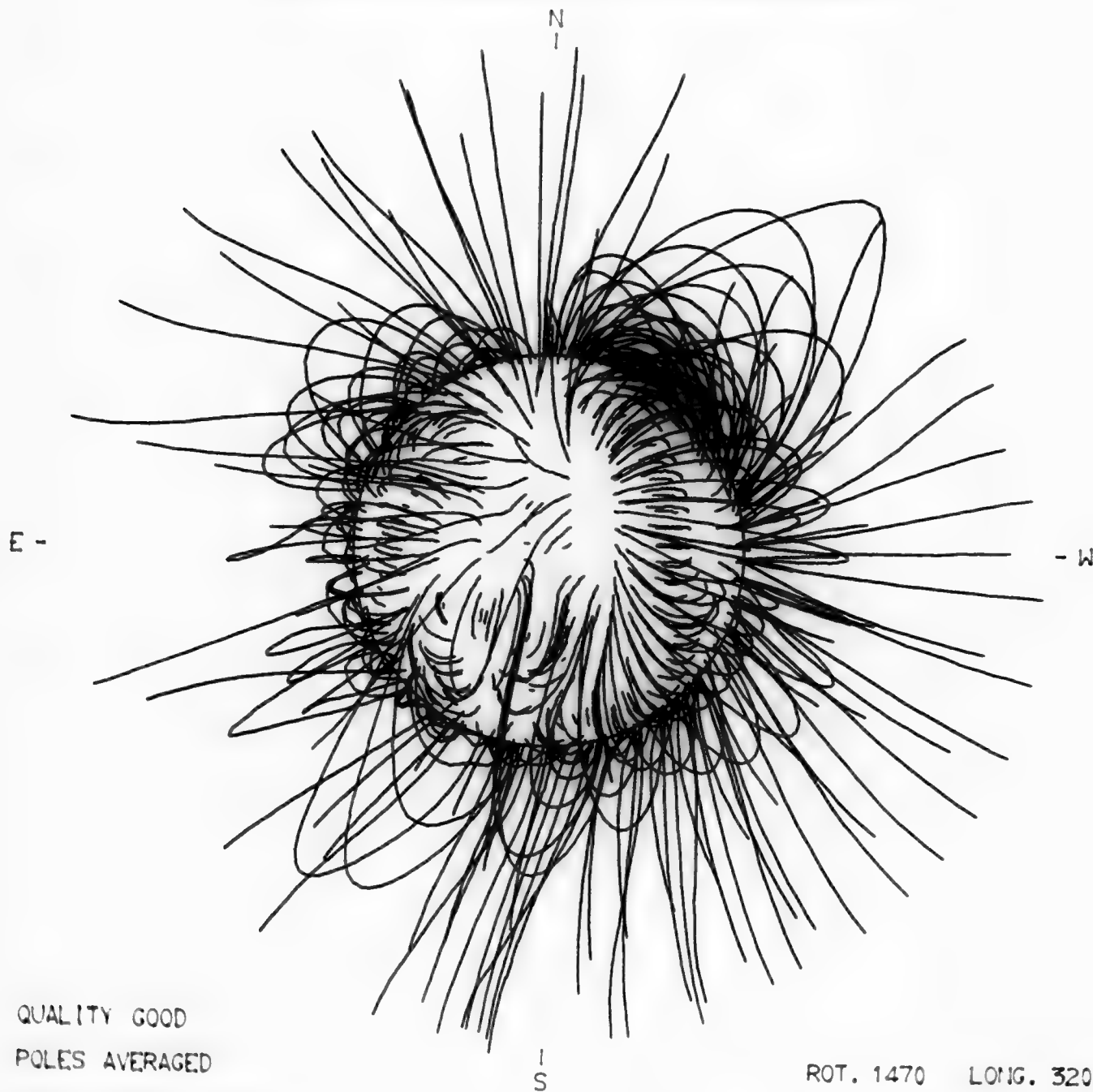


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.47

1
S

ROT. 1470 LONG. 330°
26.5 JUL 1963

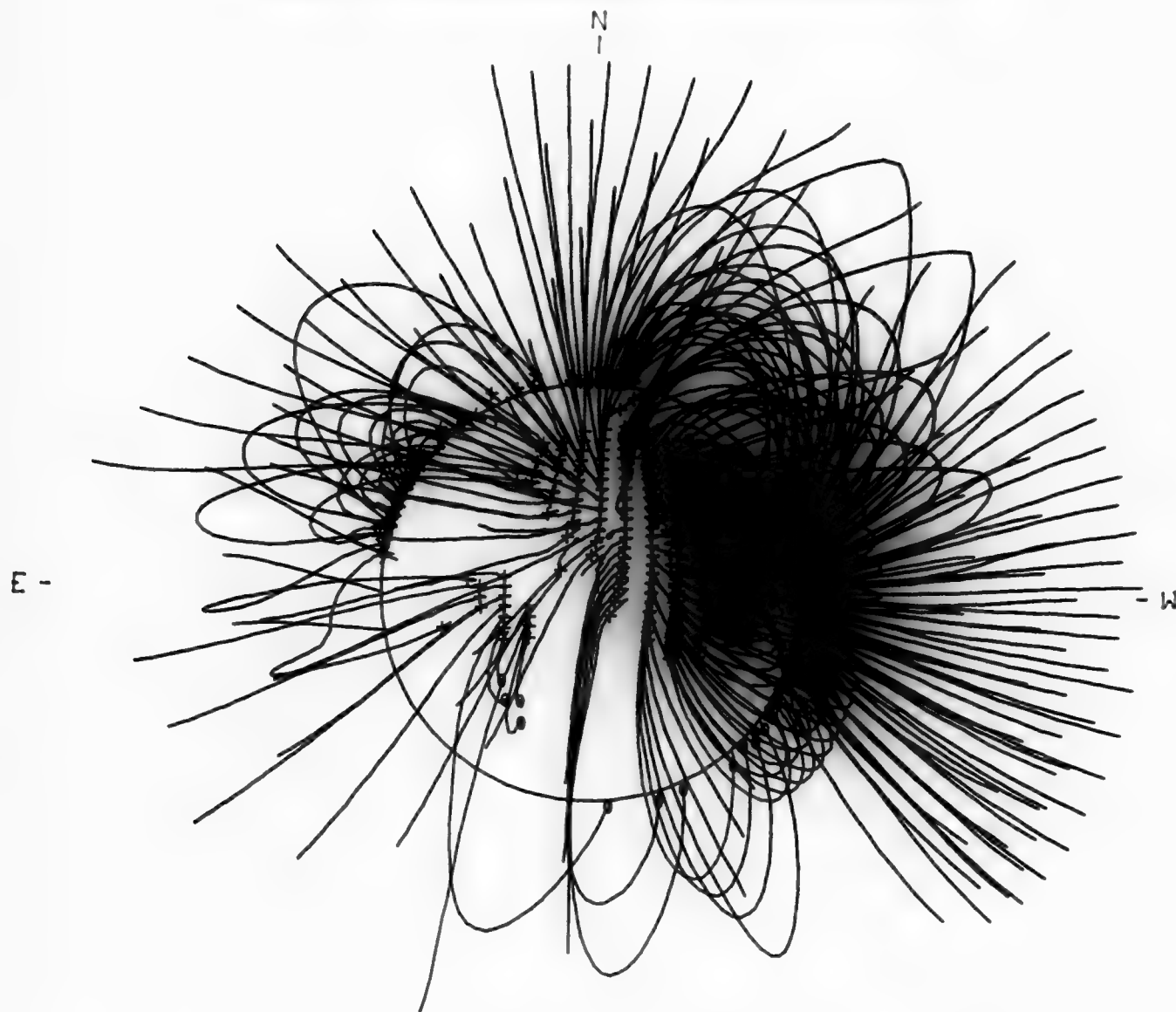
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.47

ROT. 1470 LONG. 320°
27.2 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

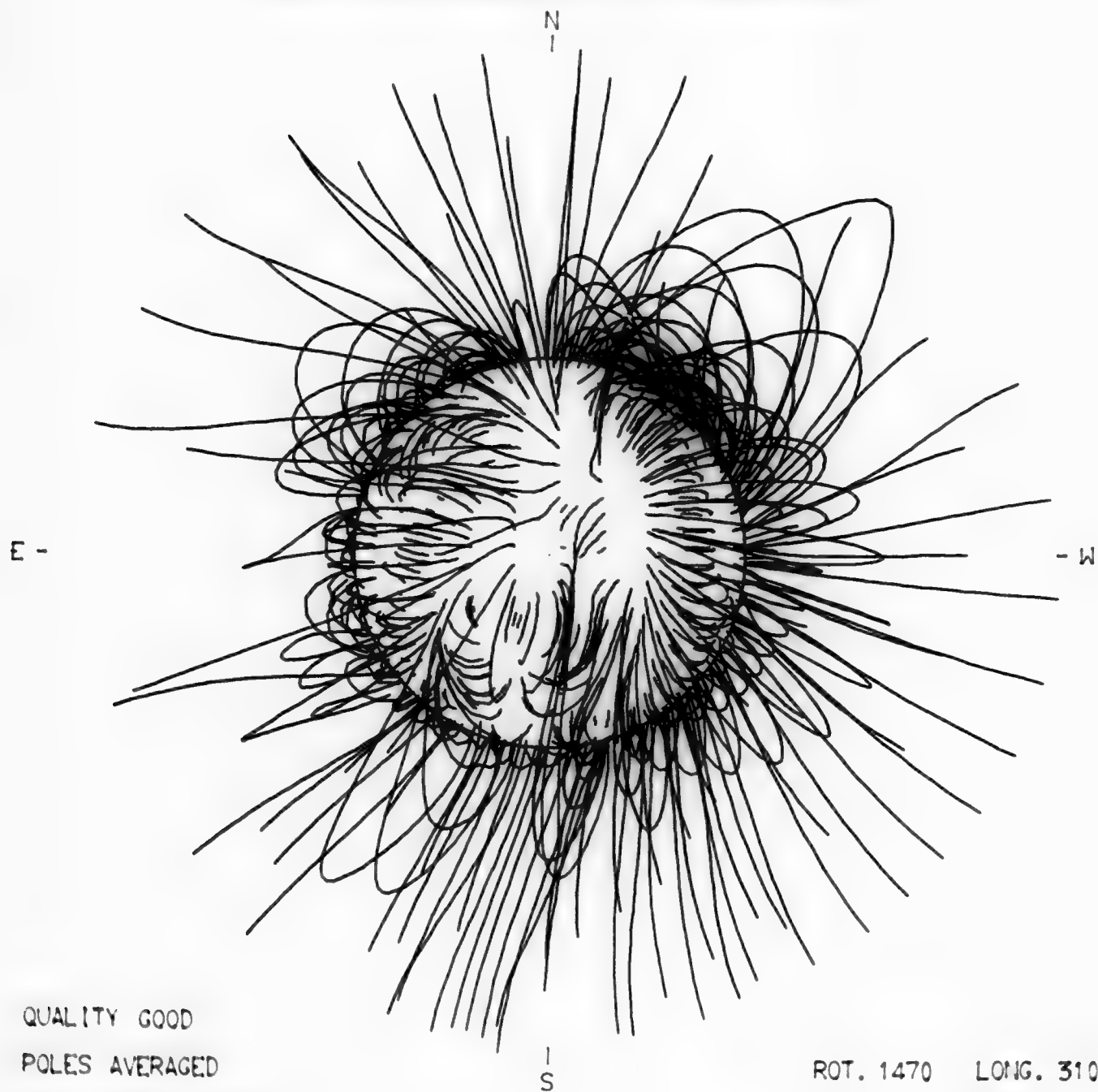
DATA WINDOW 1469.47

I
S

ROT. 1470 LONG. 320°

27.2 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

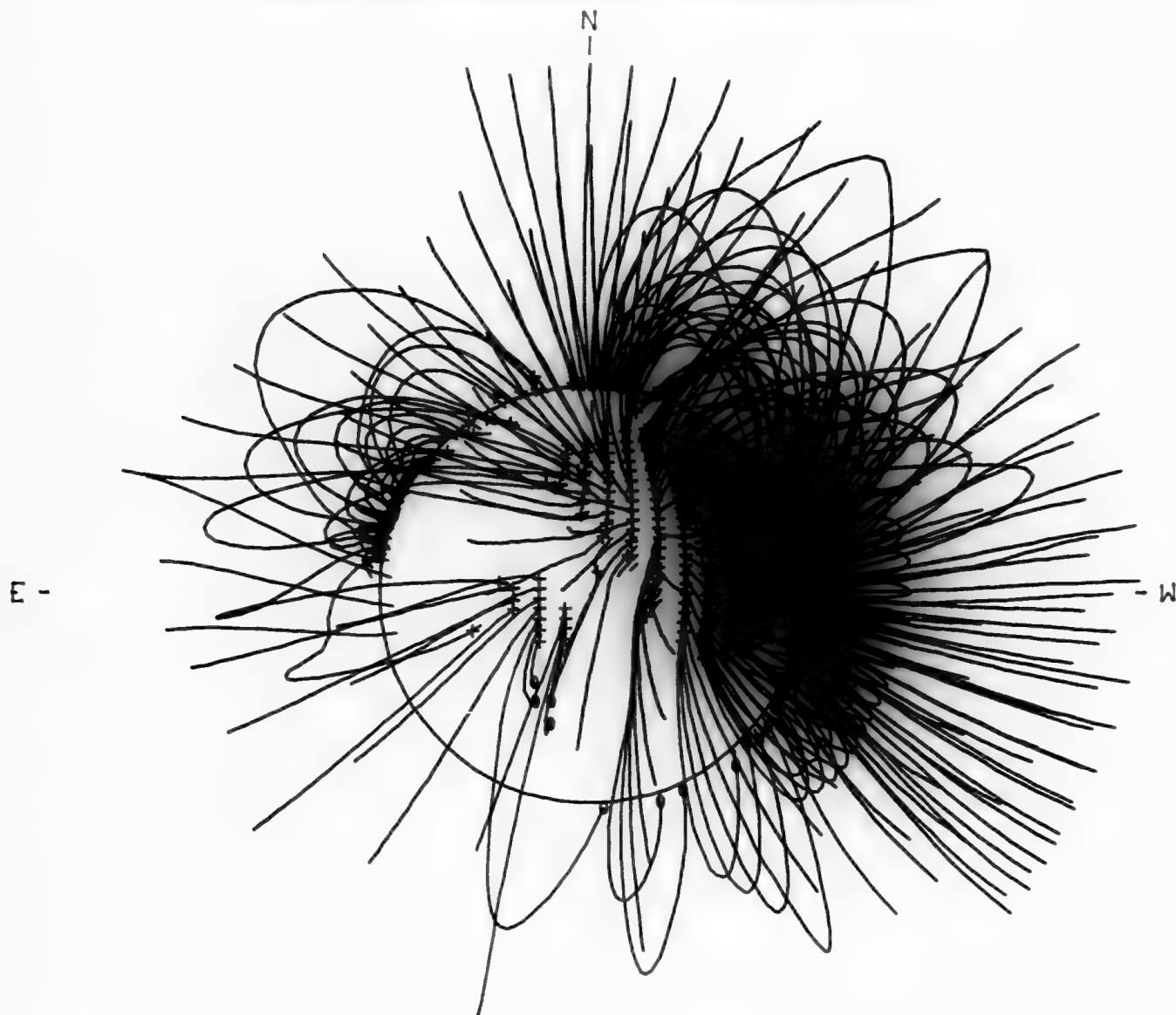
POLES AVERAGED

DATA WINDOW 1469.47

ROT. 1470 LONG. 310°

28.0 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

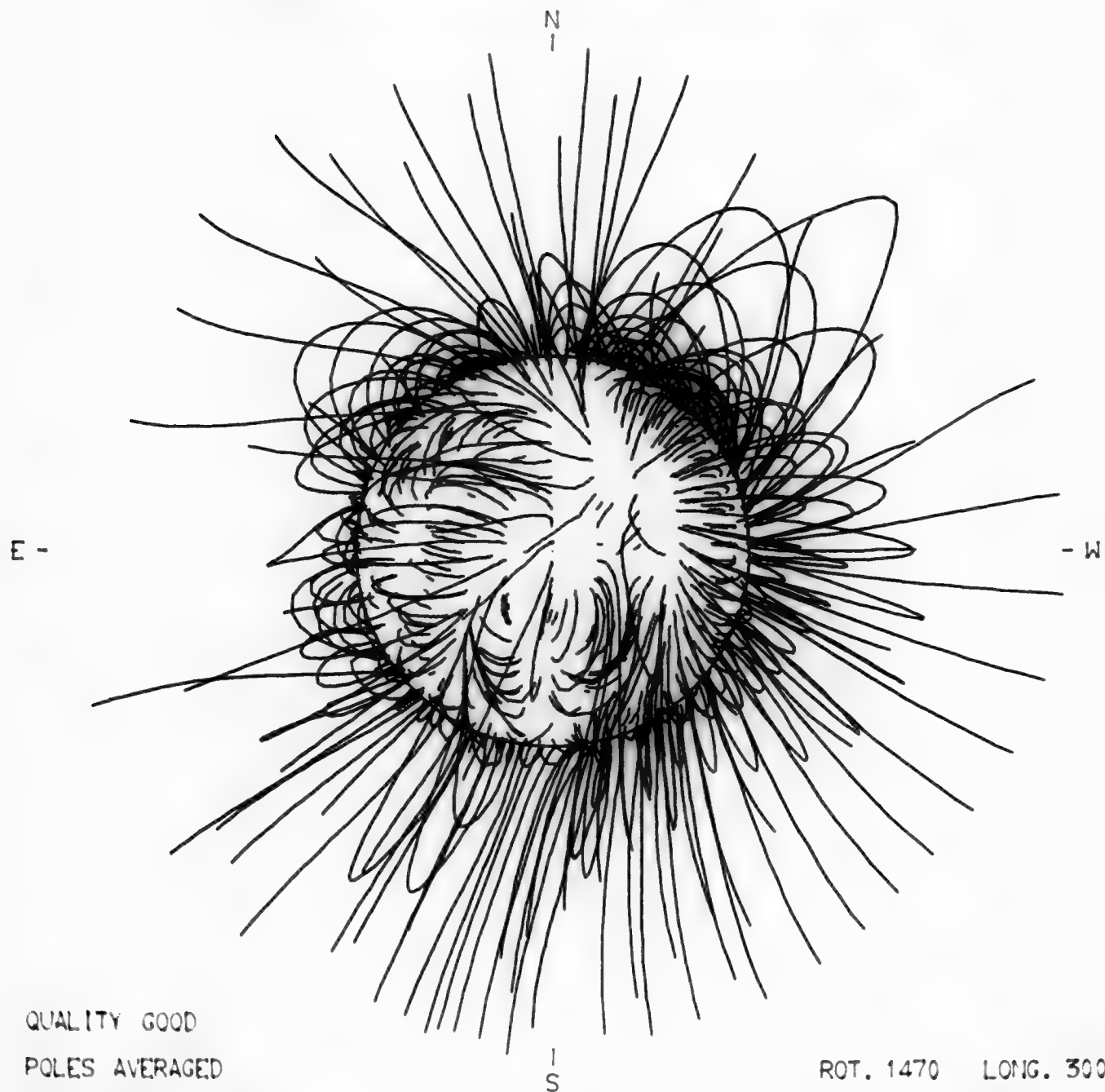
DATA WINDOW 1469.47

S

ROT. 1470 LONG. 310°

28.0 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

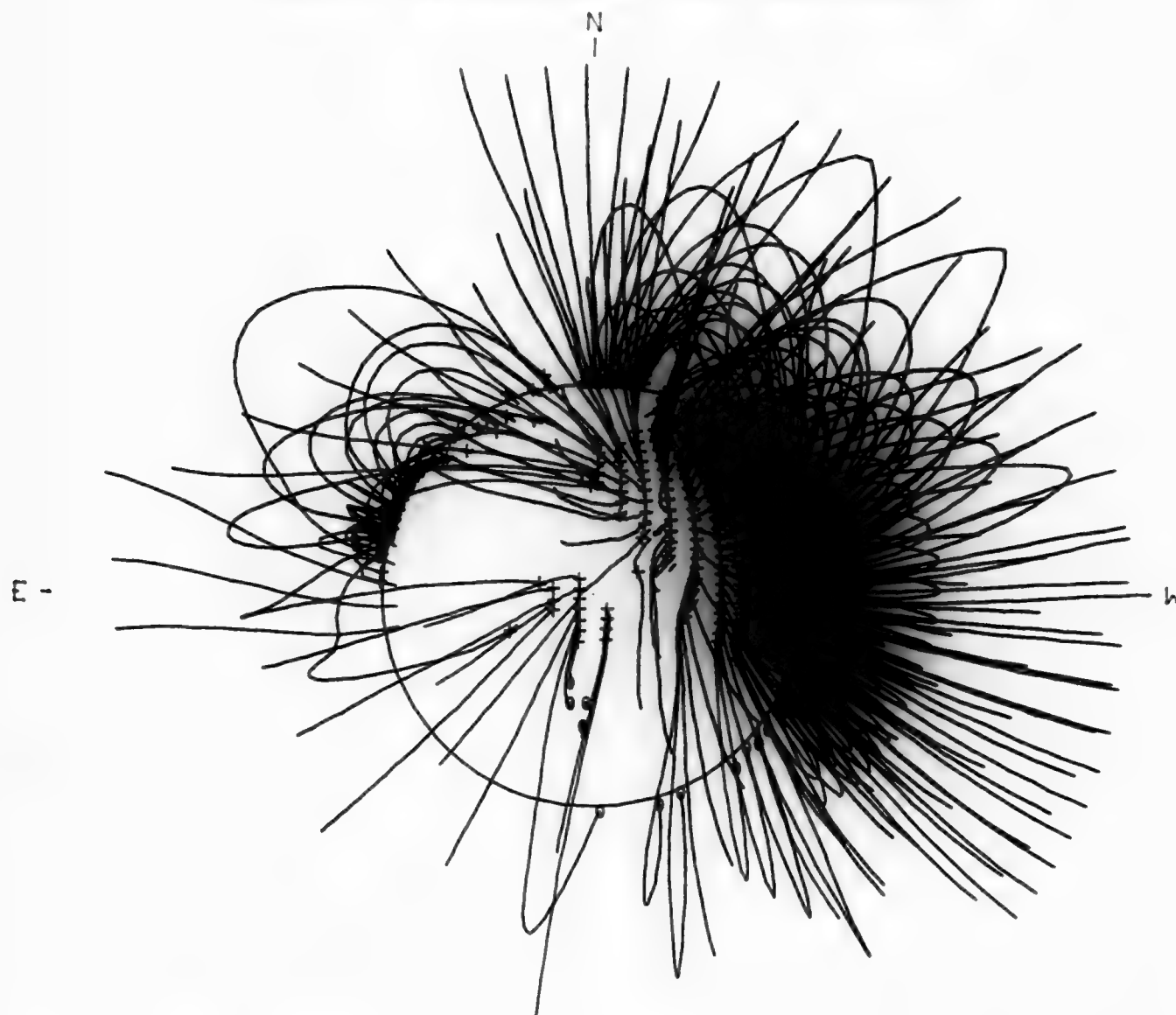
POLES AVERAGED

DATA WINDOW 1469.47

ROT. 1470 LONG. 300°

28.7 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

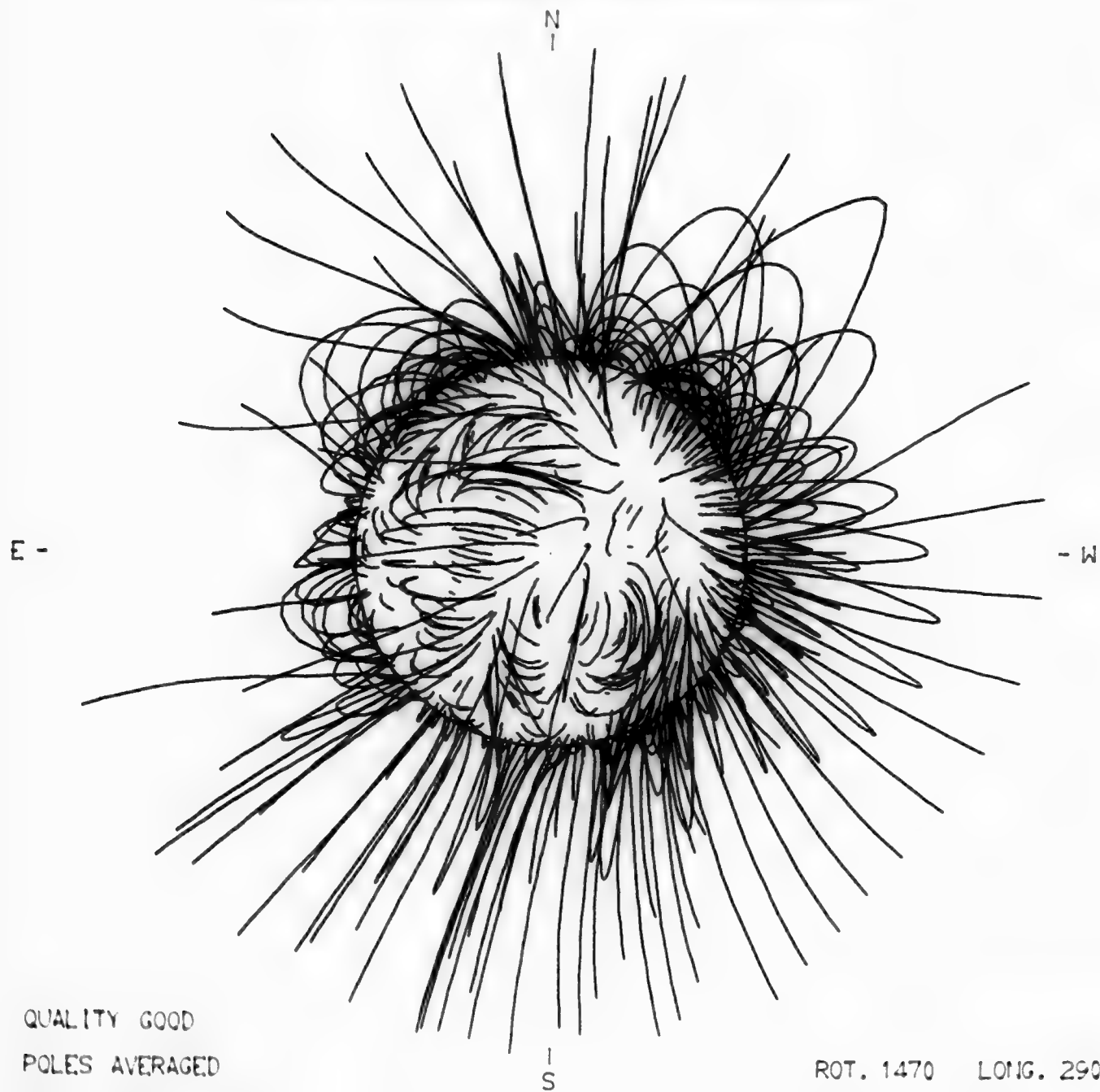
DATA WINDOW 1469.47

I
S

ROT. 1470 LONG. 300°

28.7 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

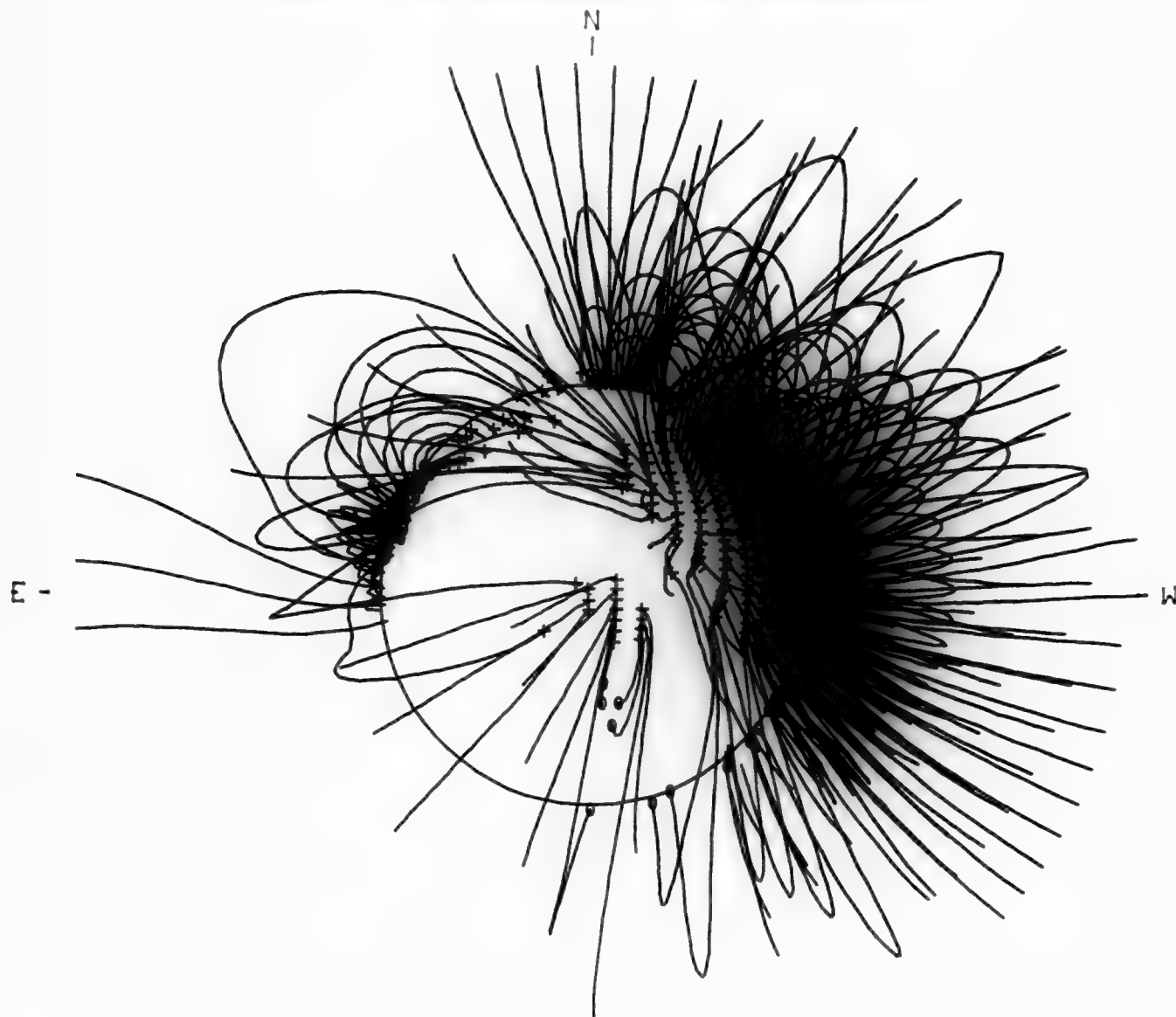
POLES AVERAGED

DATA WINDOW 1469.47

ROT. 1470 LONG. 290°

29.5 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

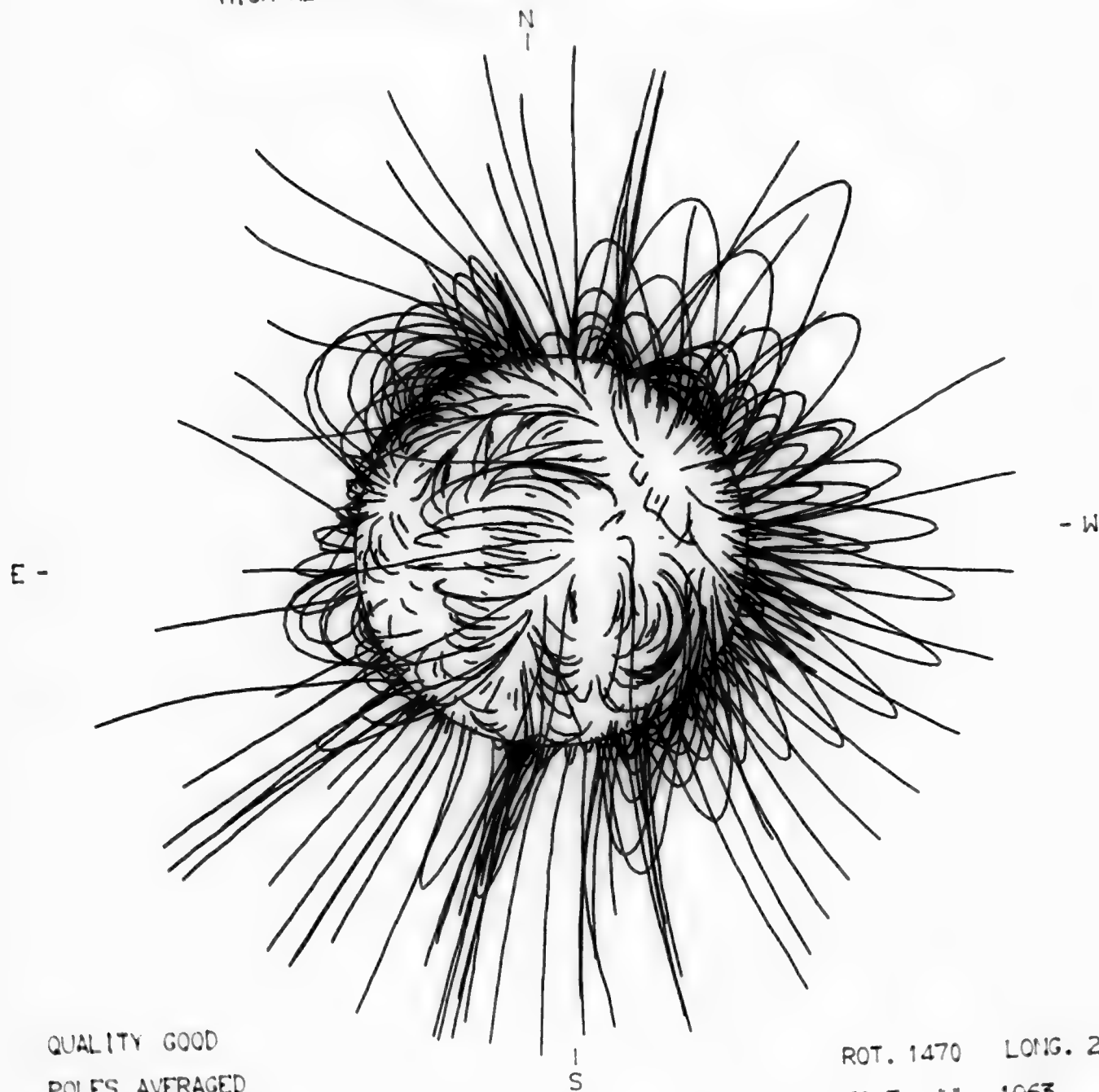
DATA WINDOW 1469.47

I
S

ROT. 1470 LONG. 290°

29.5 JUL 1963

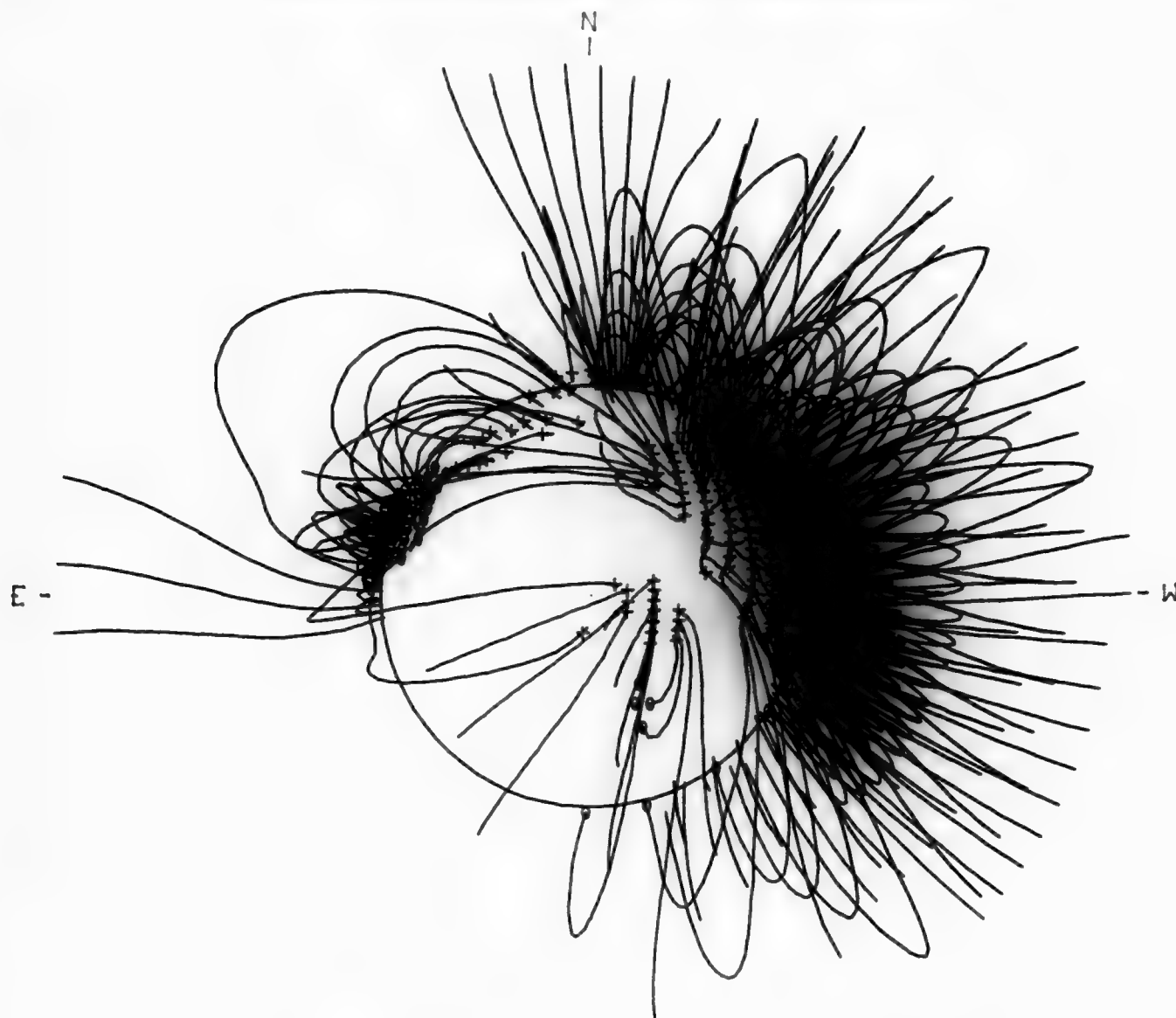
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1469.47

ROT. 1470 LONG. 280°
30.3 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

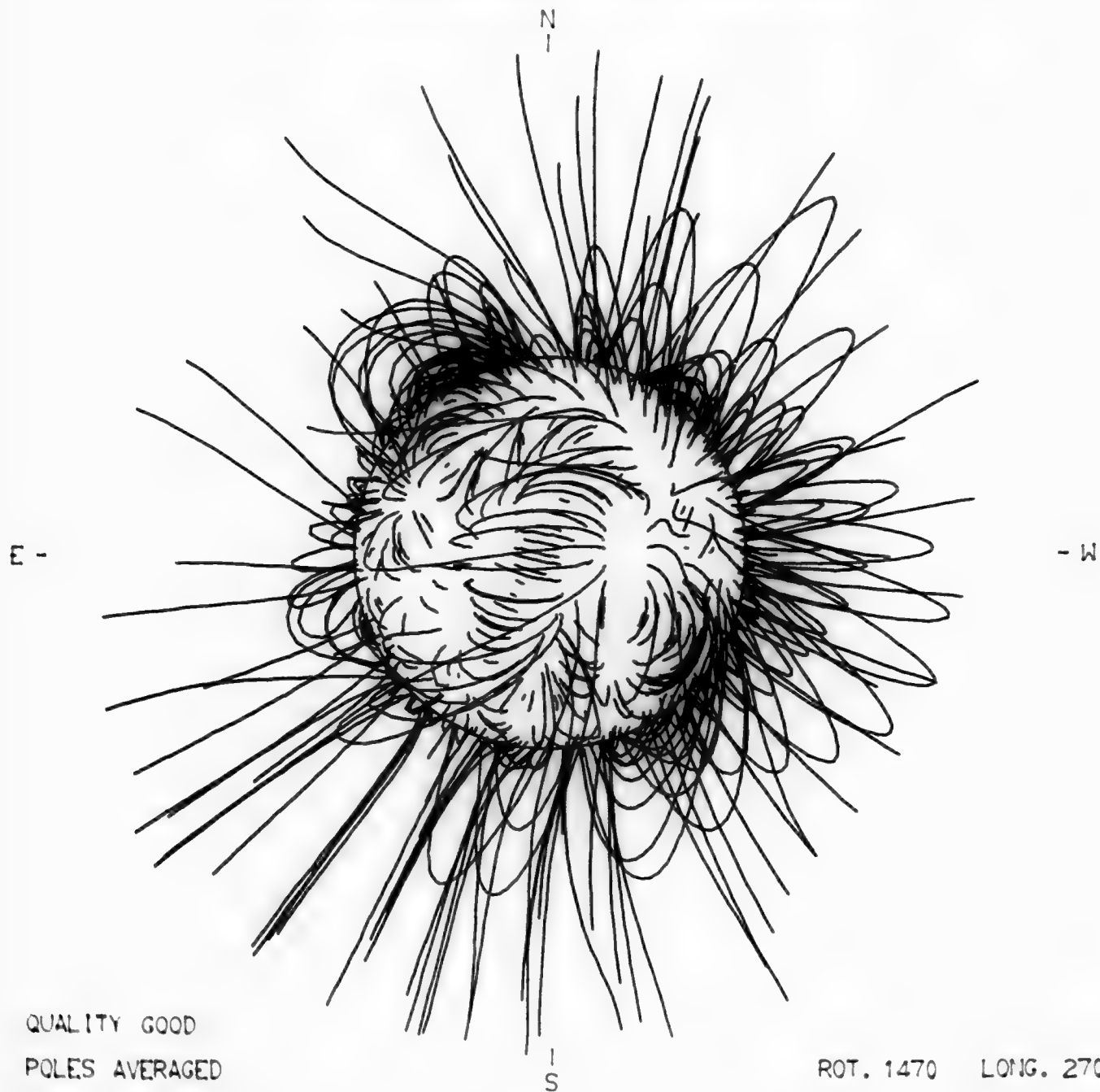
DATA WINDOW 1469.47

I
S

ROT. 1470 LONG. 280°

30.3 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

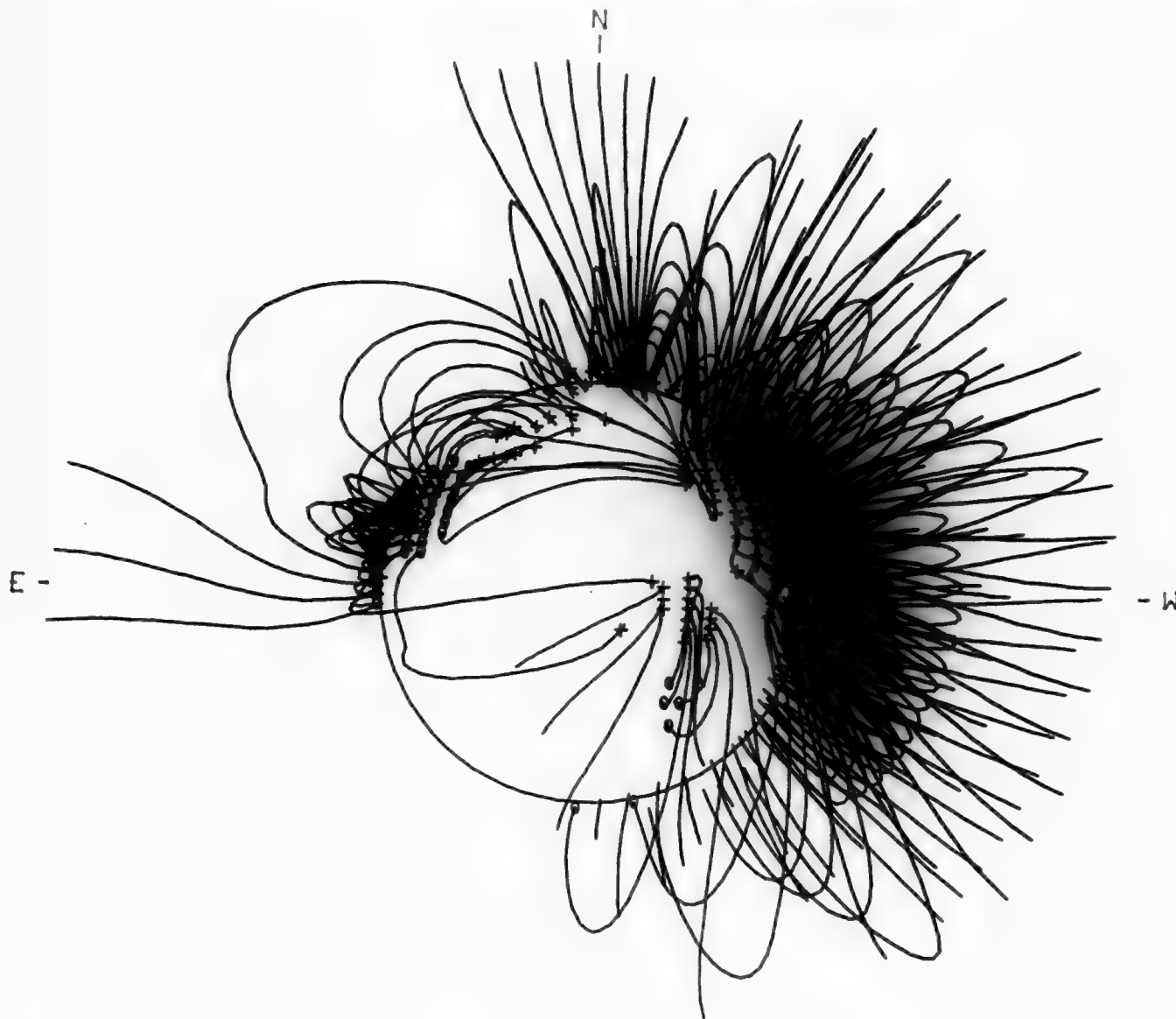
POLES AVERAGED

DATA WINDOW 1469.47

ROT. 1470 LONG. 270°

31.0 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

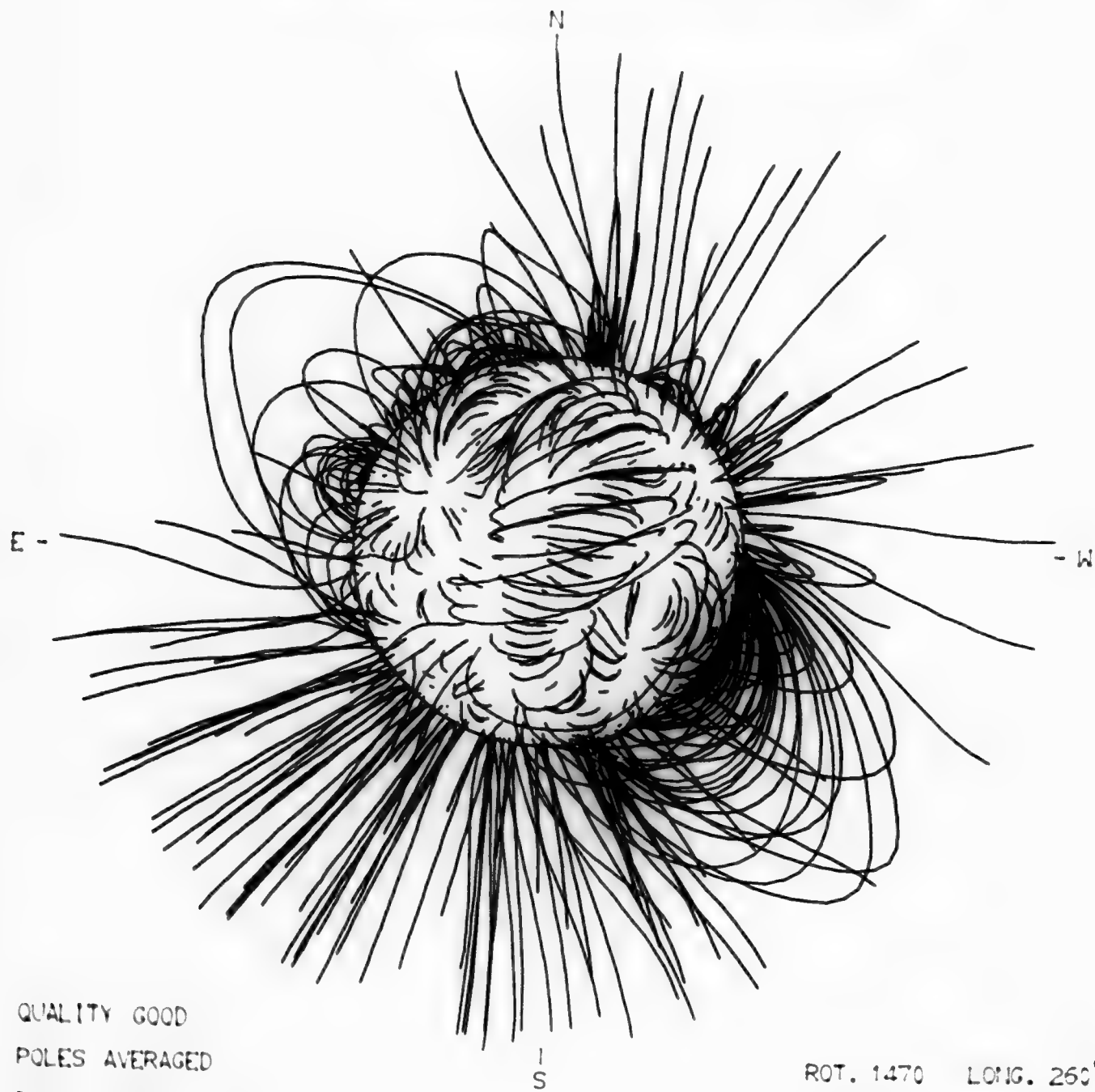
DATA WINDOW 1469.47

I
S

ROT. 1470 LONG. 270°

31.0 JUL 1963

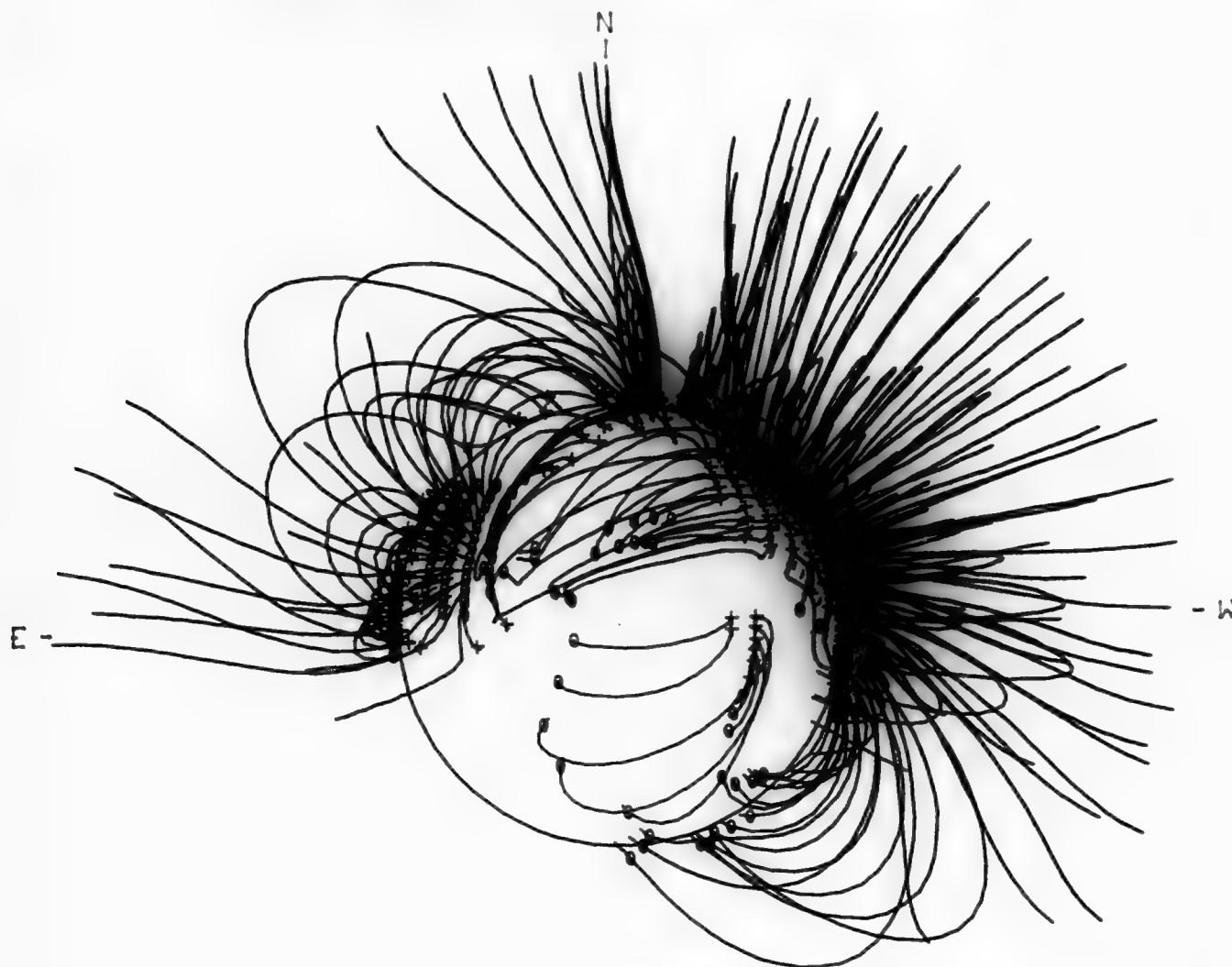
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

ROT. 1470 LONG. 260°
31.8 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

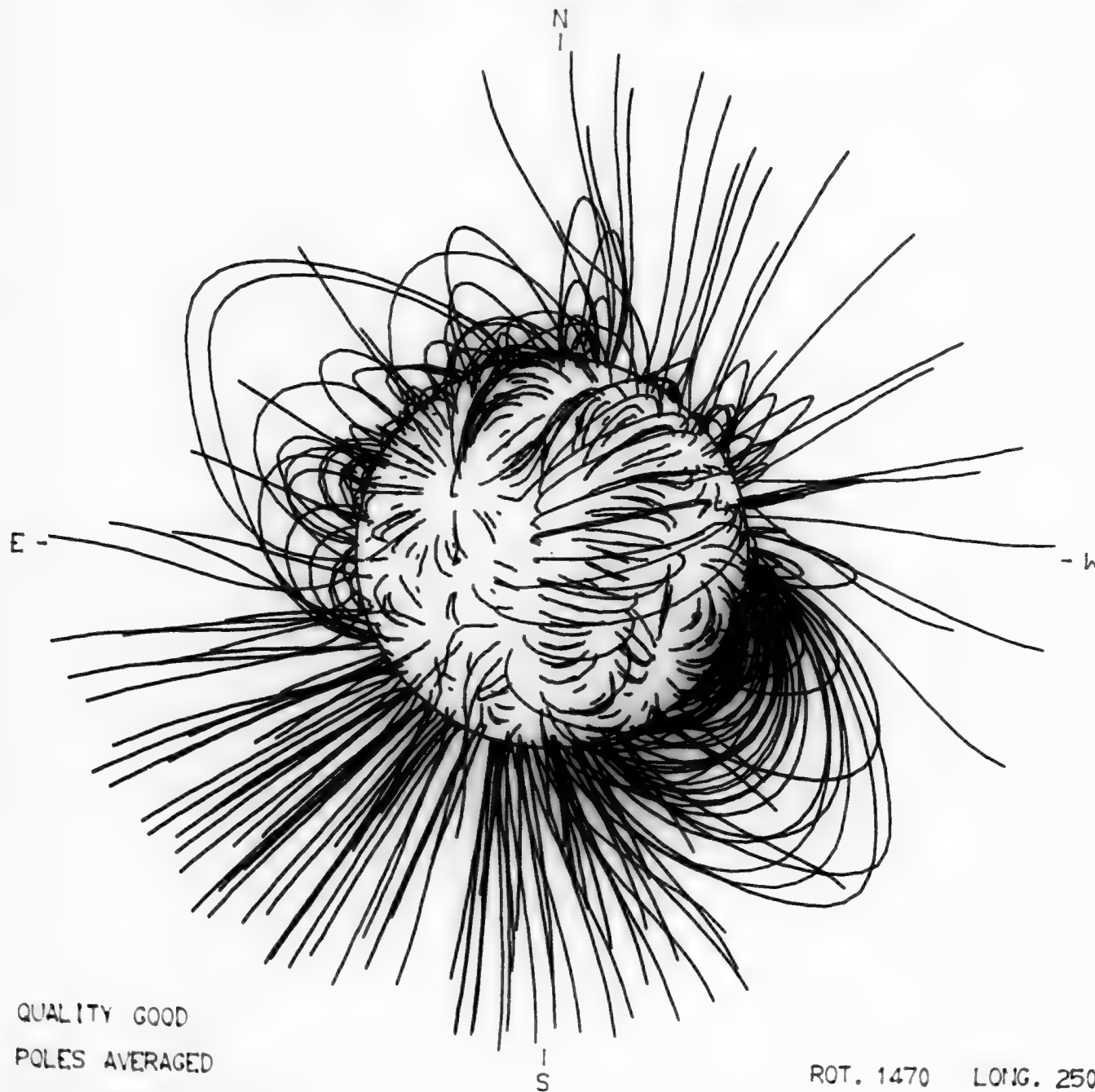
DATA WINDOW 1470.00

I
S

ROT. 1470 LONG. 260°

31.8 JUL 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

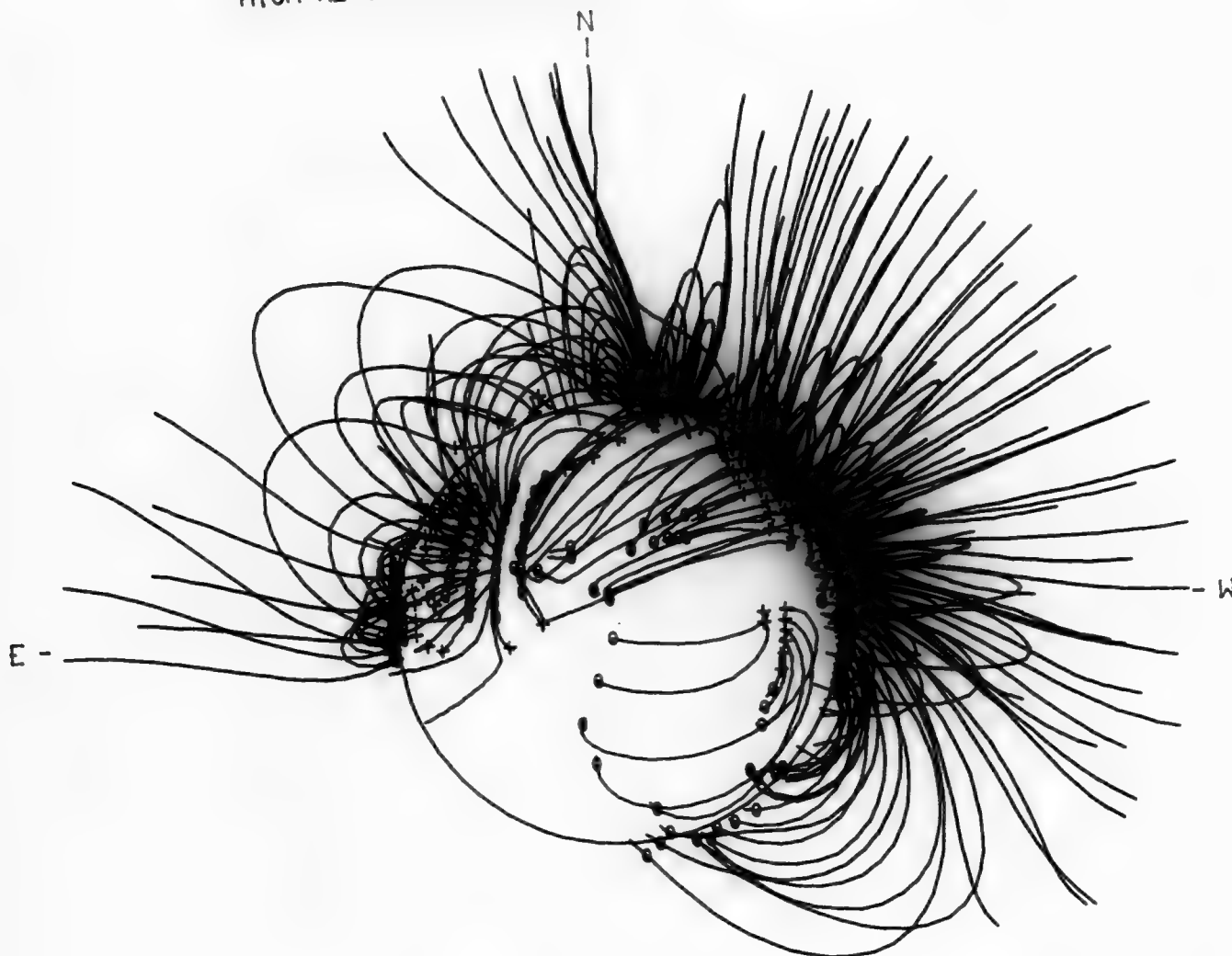
POLES AVERAGED

DATA WINDOW 1470.00

ROT. 1470 LONG. 250°

1.5 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

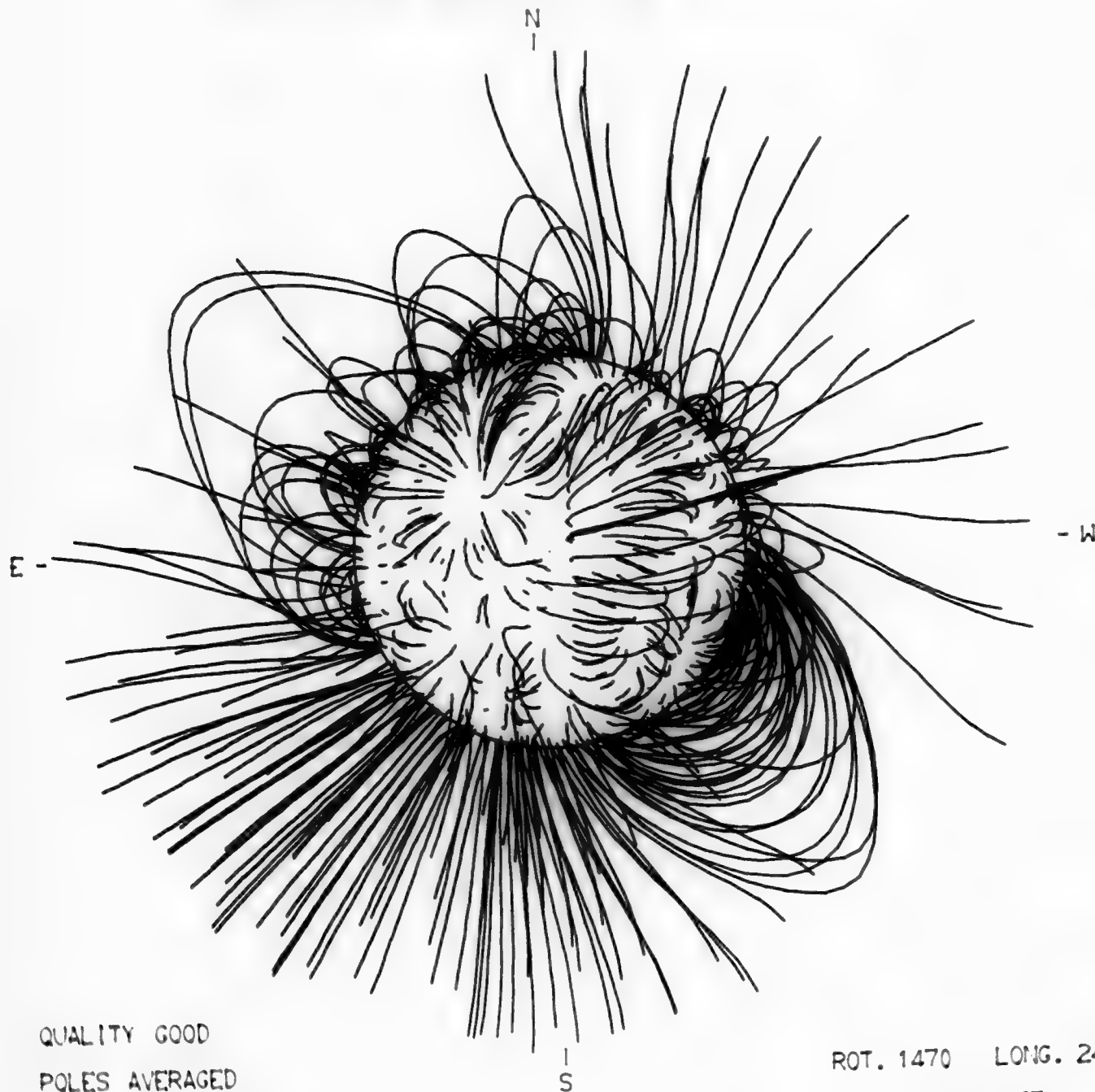


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

I
S

ROT. 1470 LONG. 250°
1.5 AUG 1963

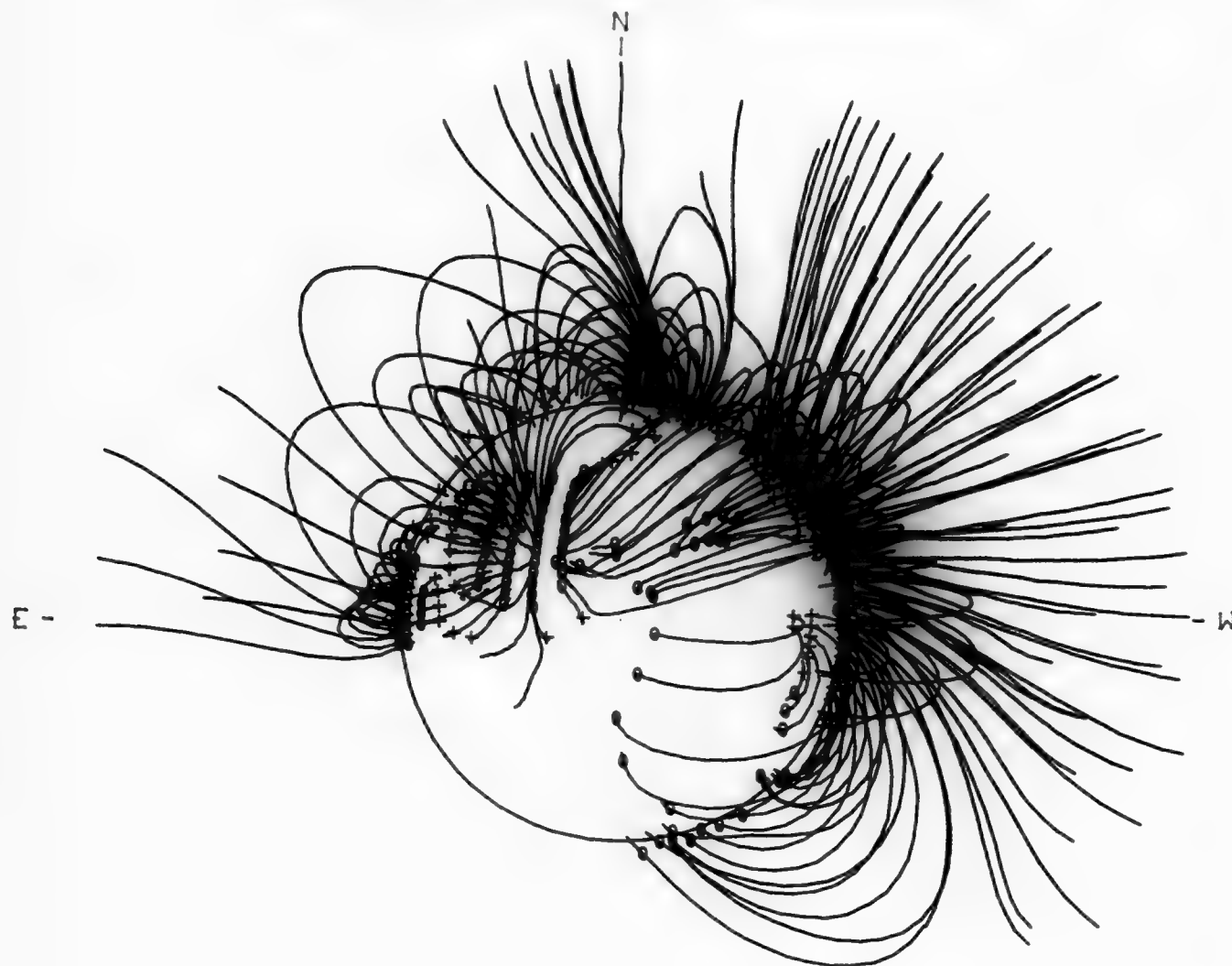
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

ROT. 1470 LONG. 240°
2.3 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

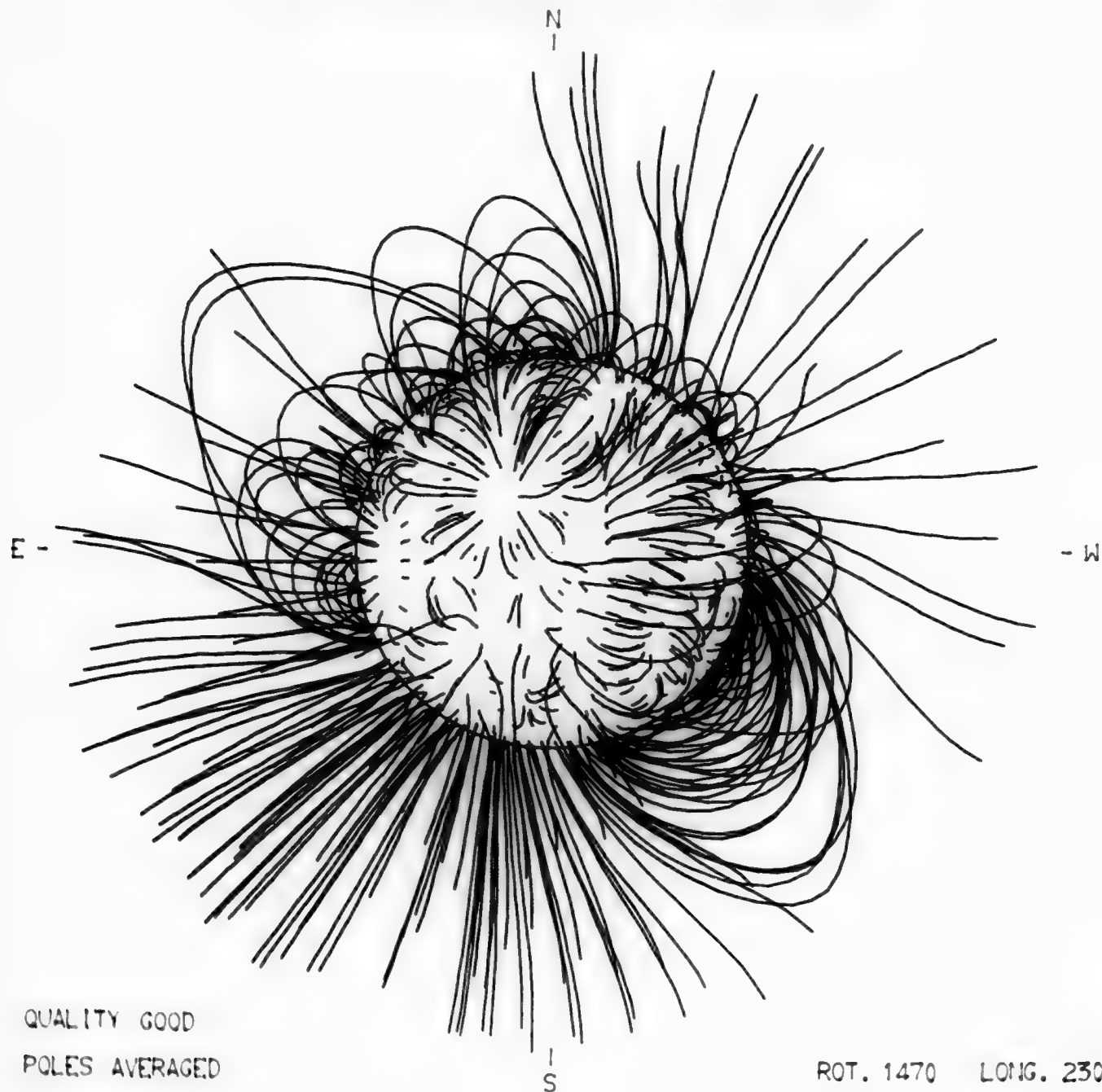
DATA WINDOW 1470.00

I
S

ROT. 1470 LONG. 240°

2.3 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

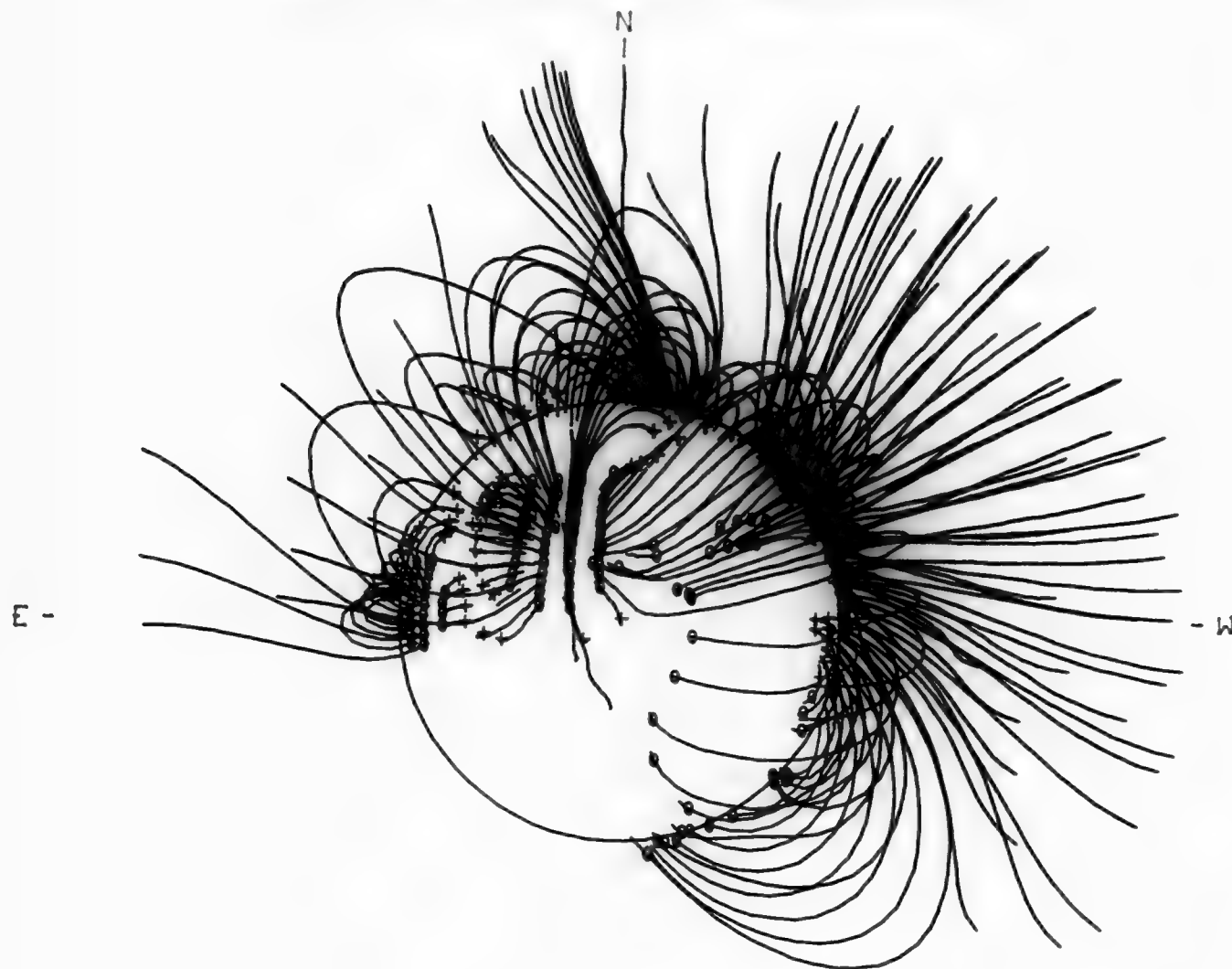
POLES AVERAGED

DATA WINDOW 1470.00

ROT. 1470 LONG. 230°

3.0 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

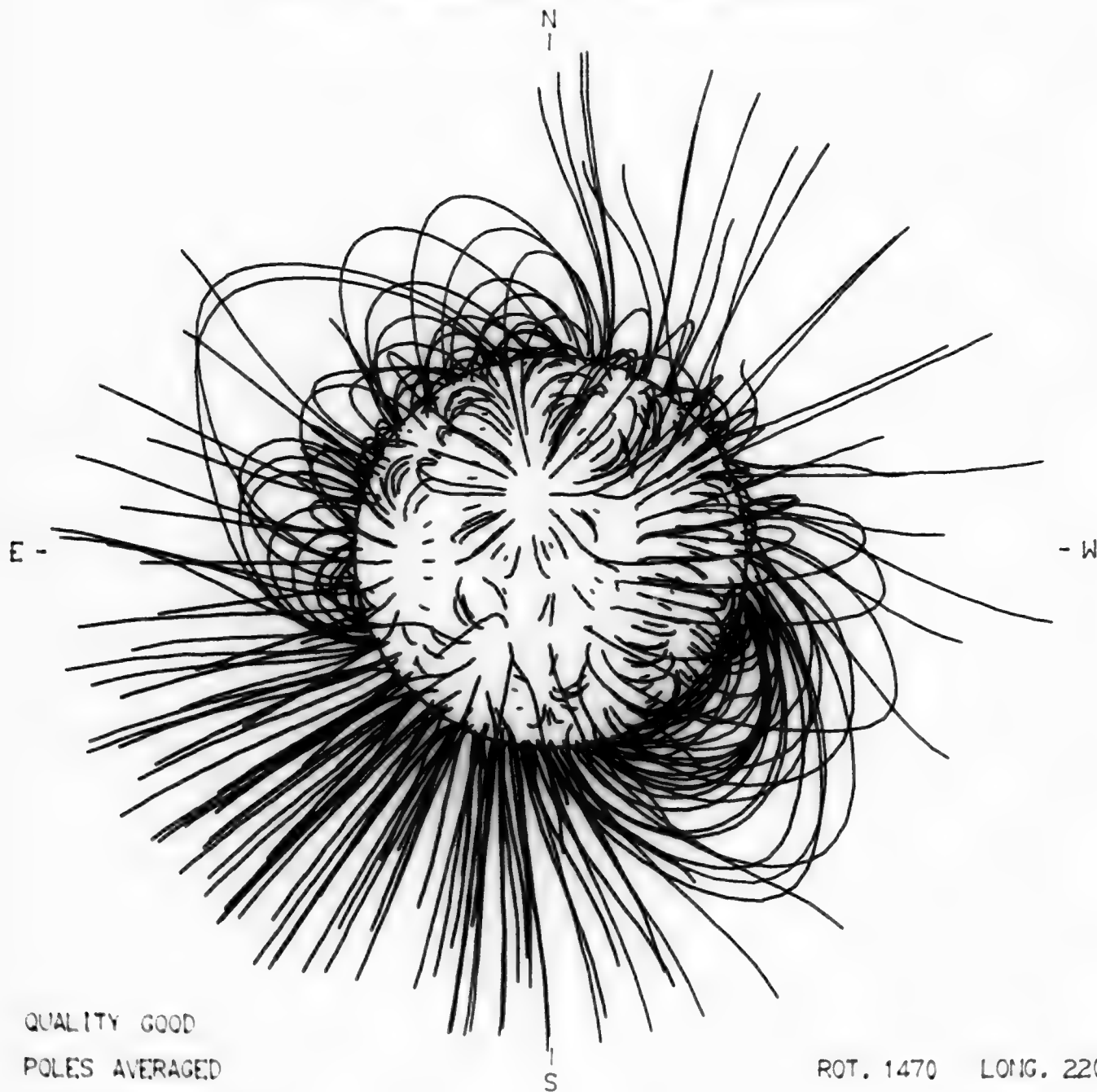
DATA WINDOW 1470.00

I
S

ROT. 1470 LONG. 230°

3.0 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

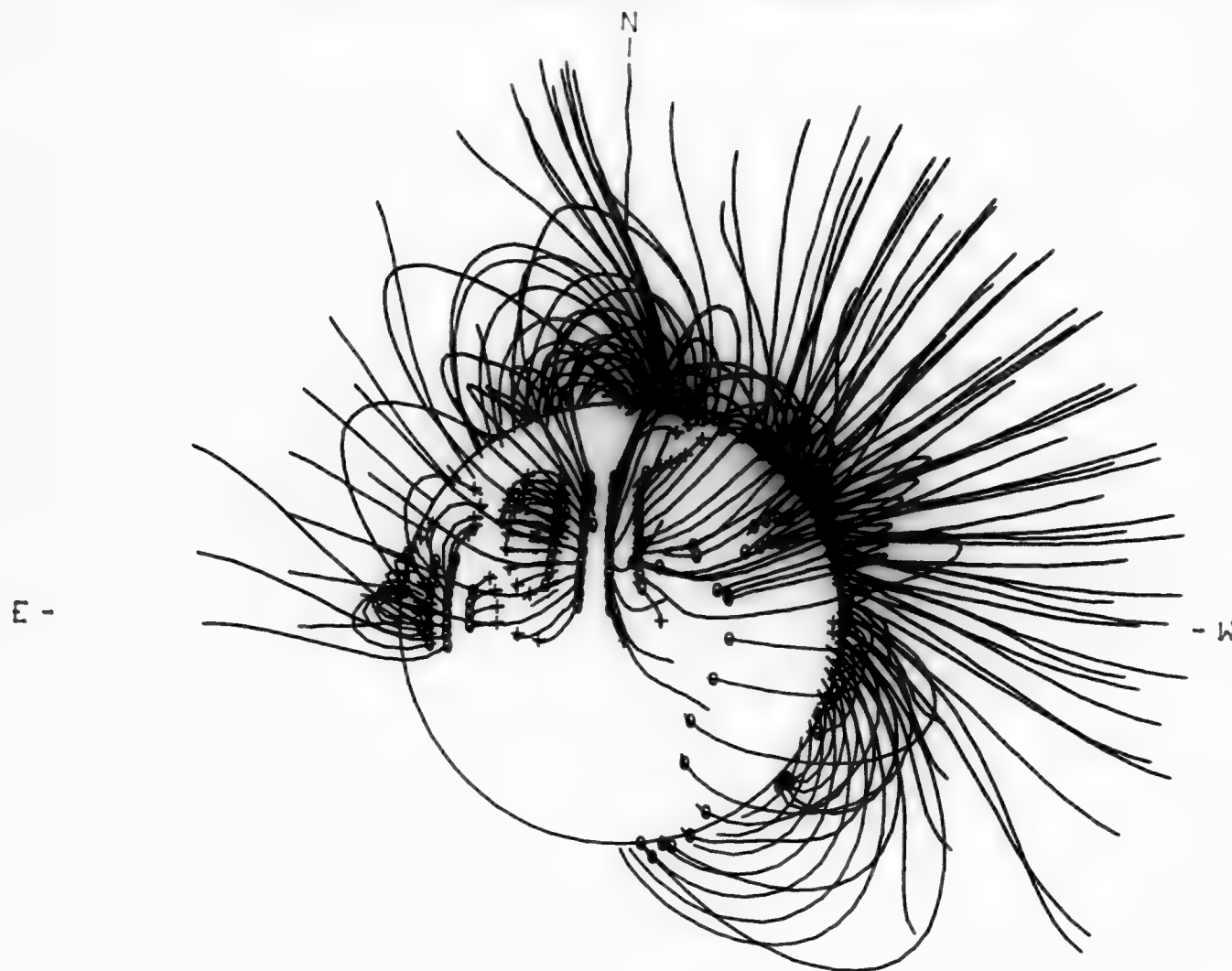
POLES AVERAGED

DATA WINDOW 1470.00

ROT. 1470 LONG. 220°

3.8 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

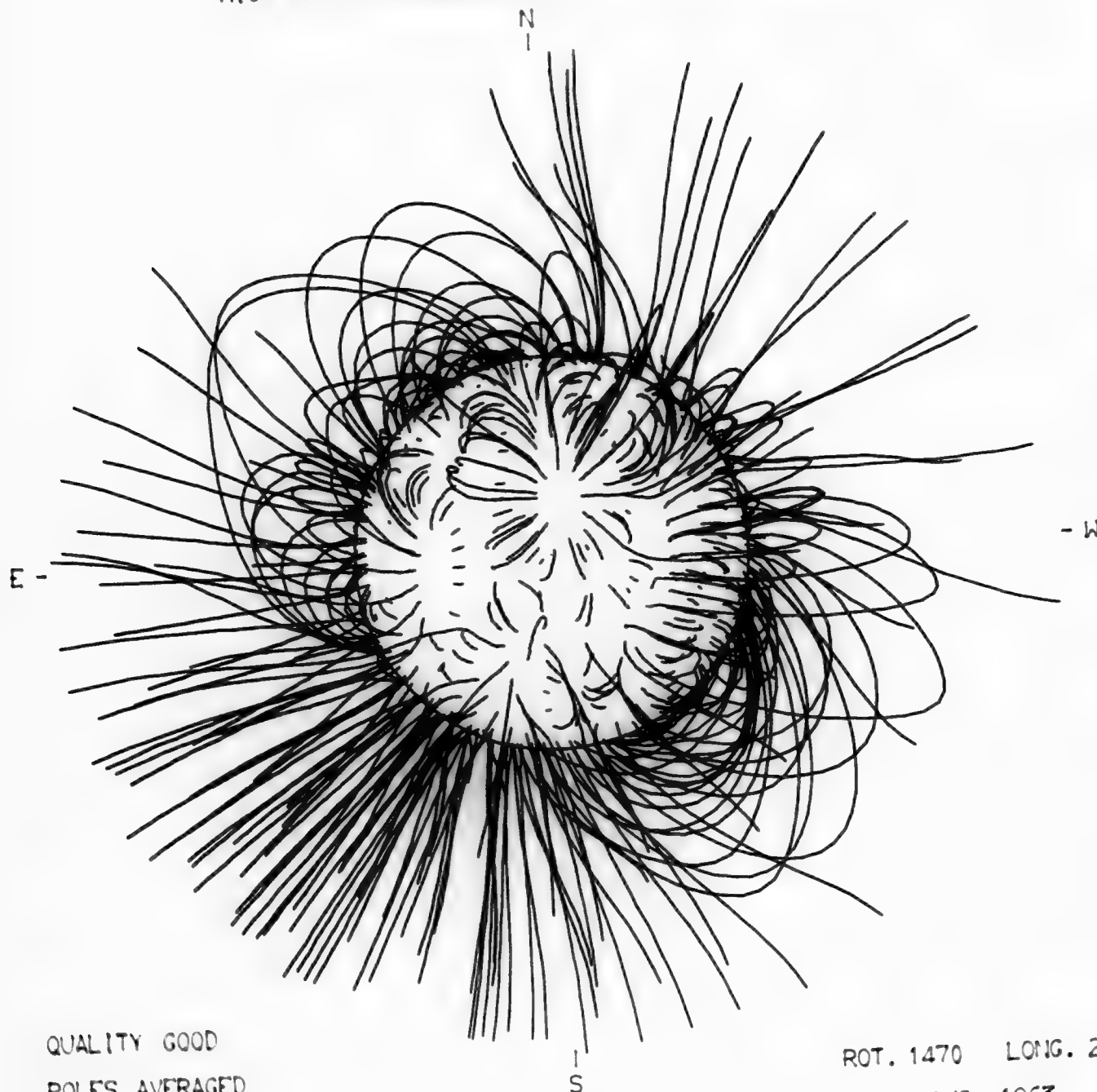
DATA WINDOW 1470.00

1
S

ROT. 1470 LONG. 220°

3.8 AUG 1963

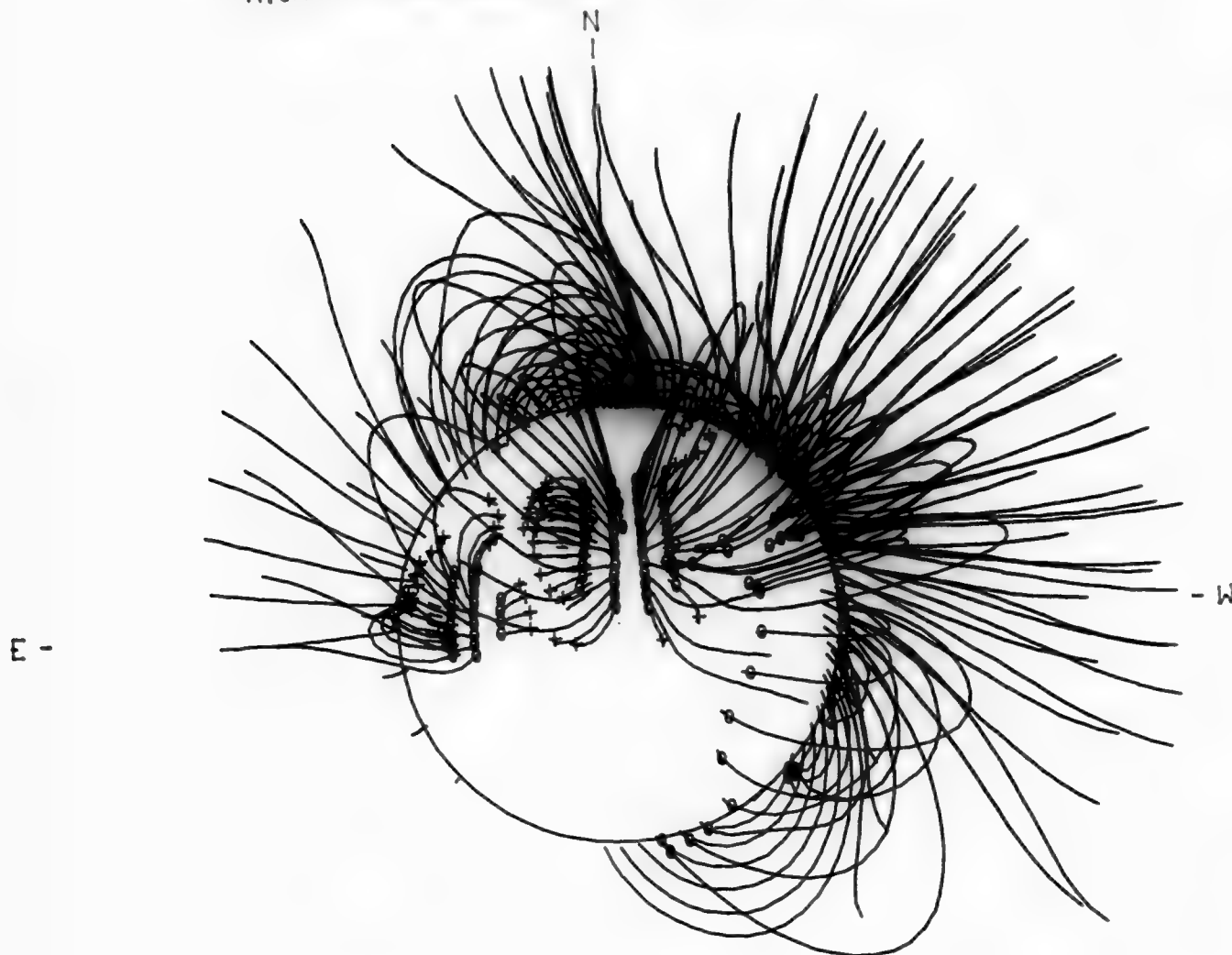
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

ROT. 1470 LONG. 210°
4.5 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

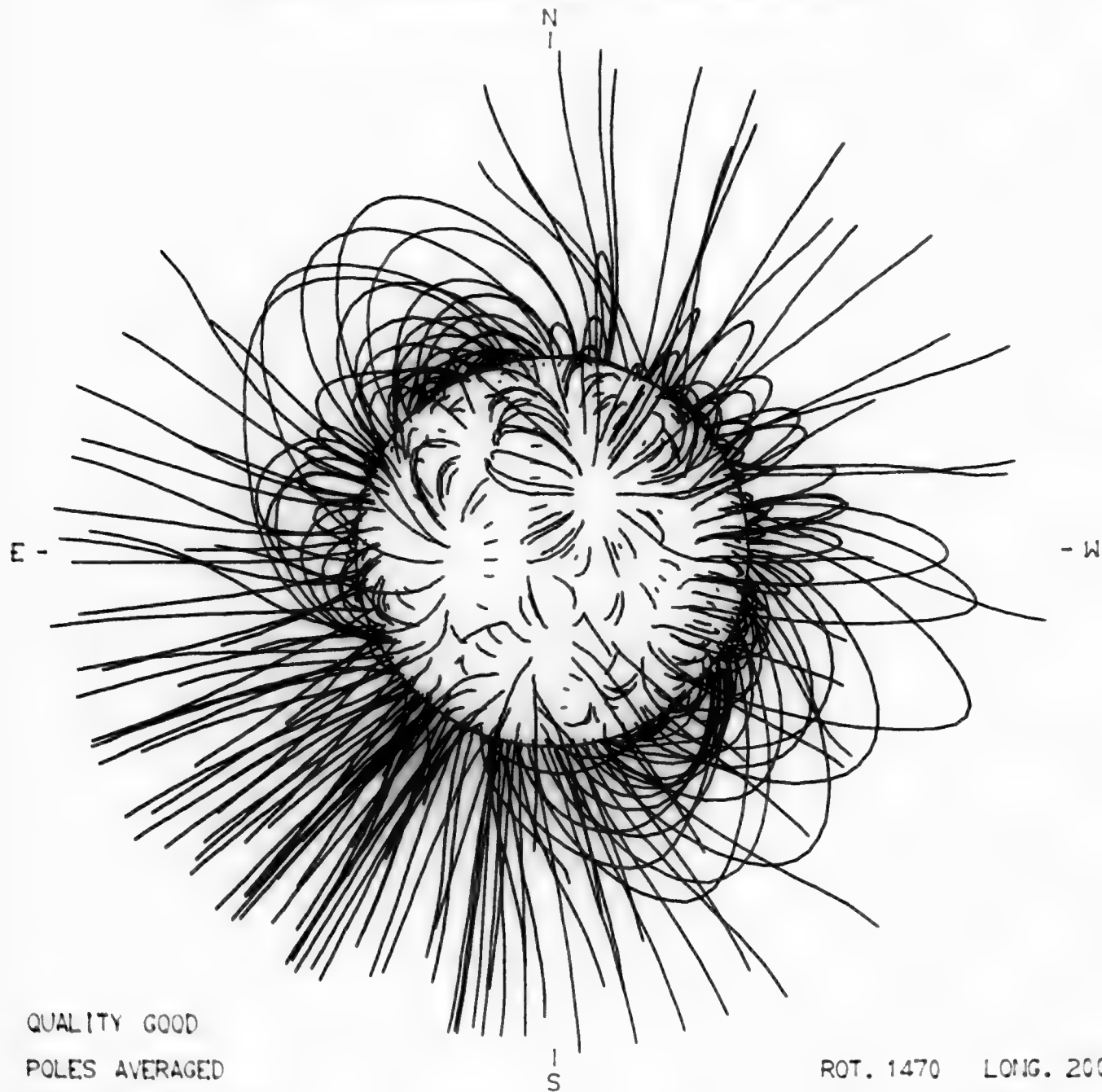


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

I
S

ROT. 1470 LONG. 210°
4.5 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

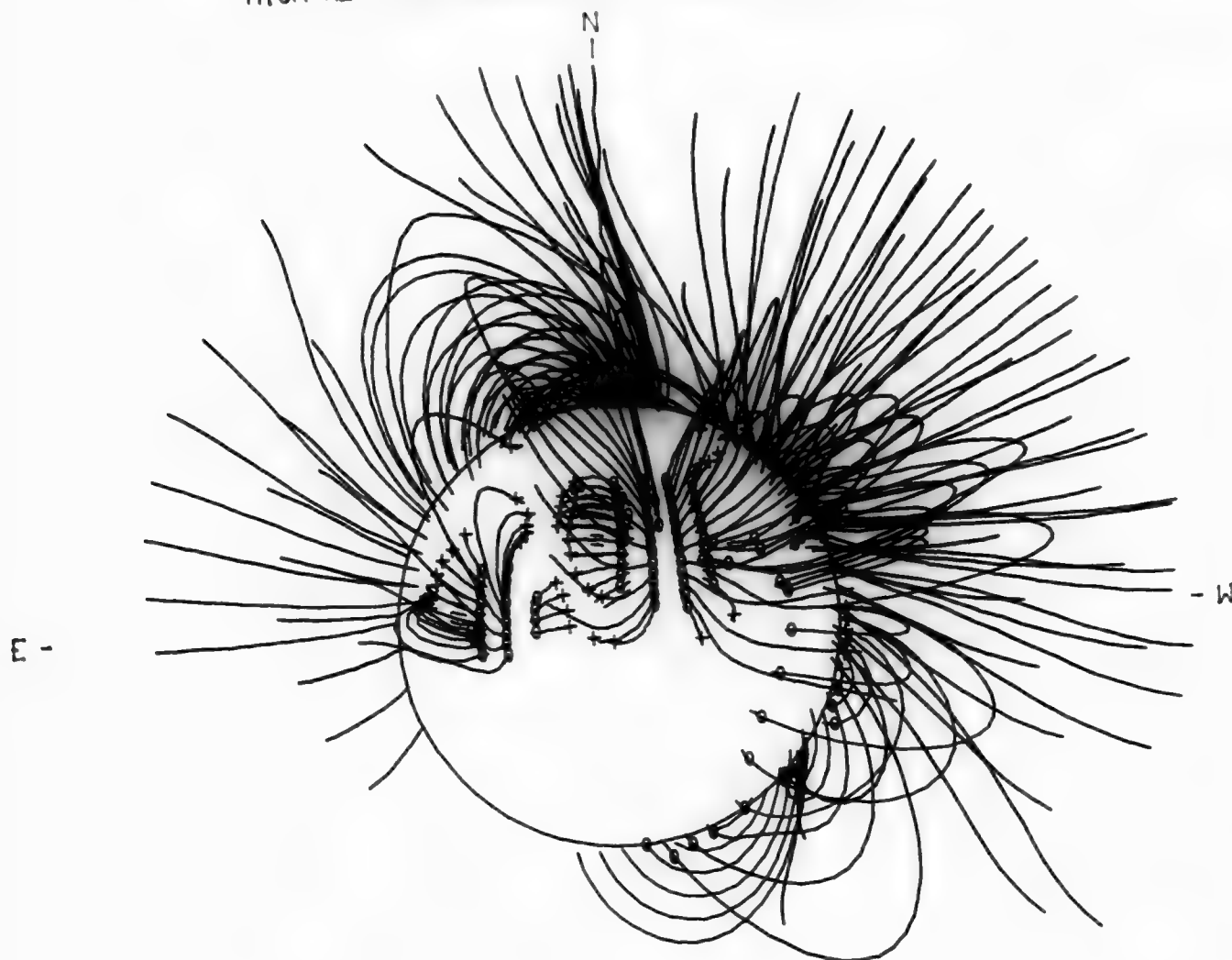
POLES AVERAGED

DATA WINDOW 1470.00

ROT. 1470 LONG. 200°

5.3 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

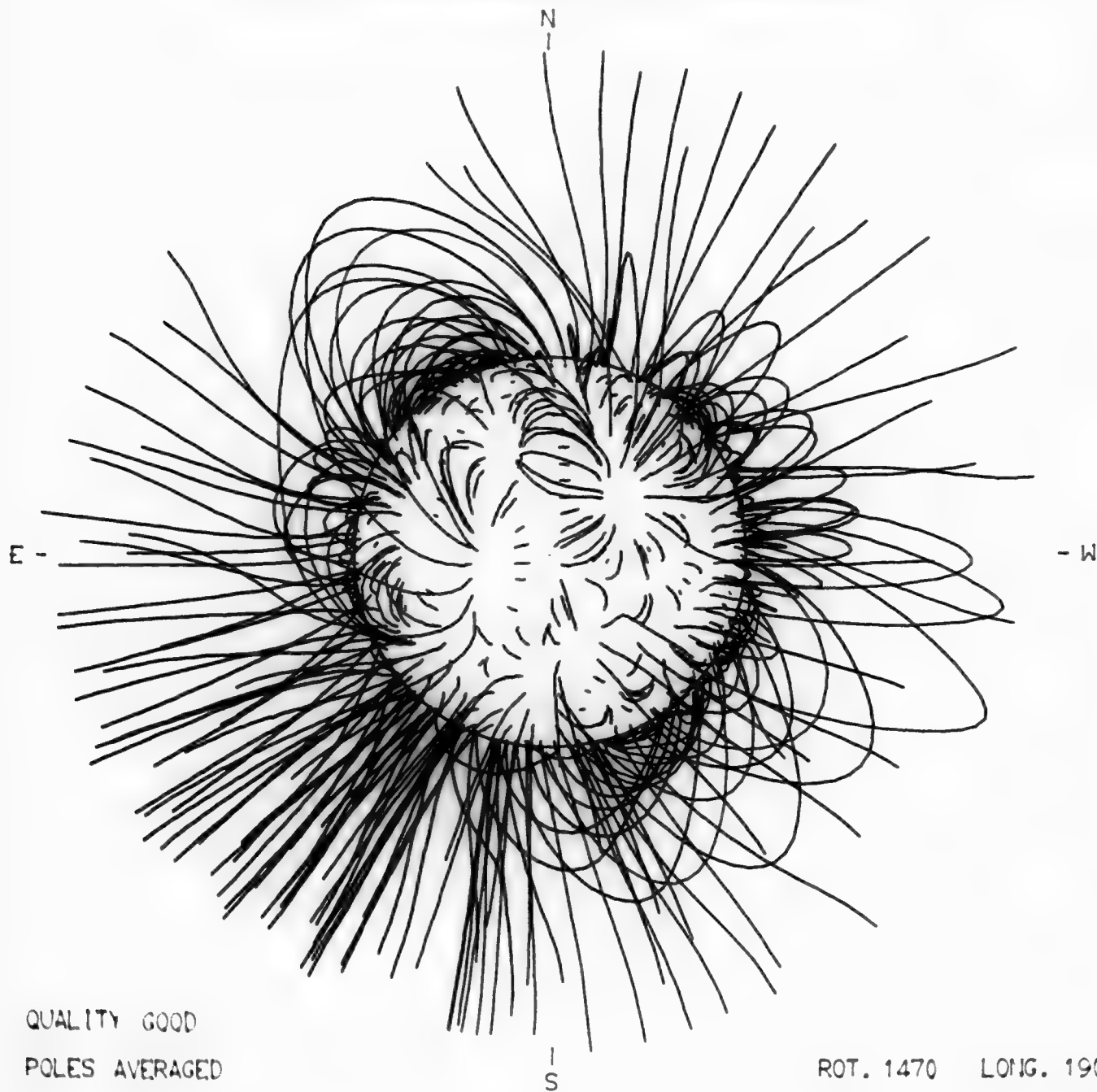


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

I
S

ROT. 1470 LONG. 200°
5.3 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

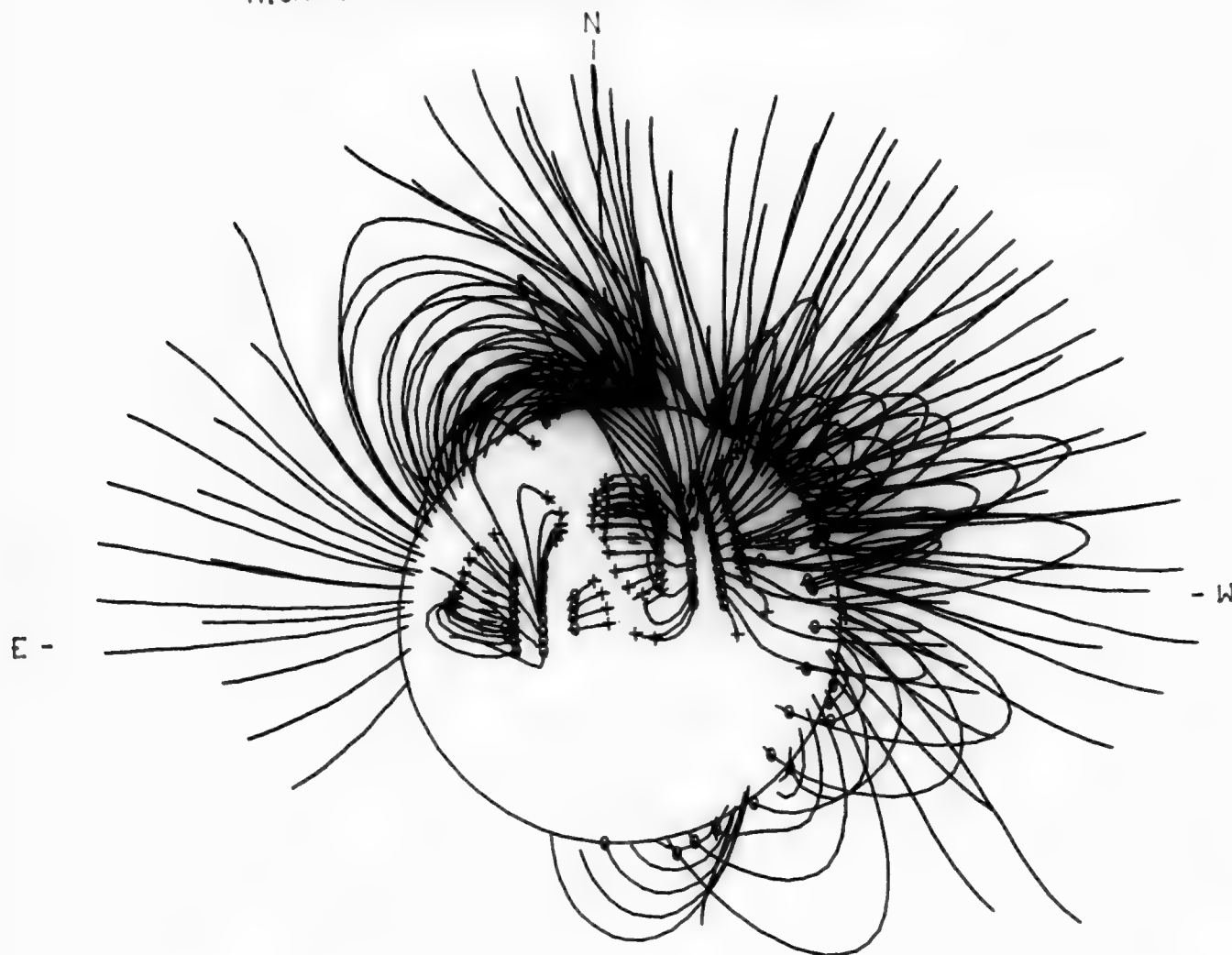
POLES AVERAGED

DATA WINDOW 1470.00

ROT. 1470 LONG. 190°

6.1 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

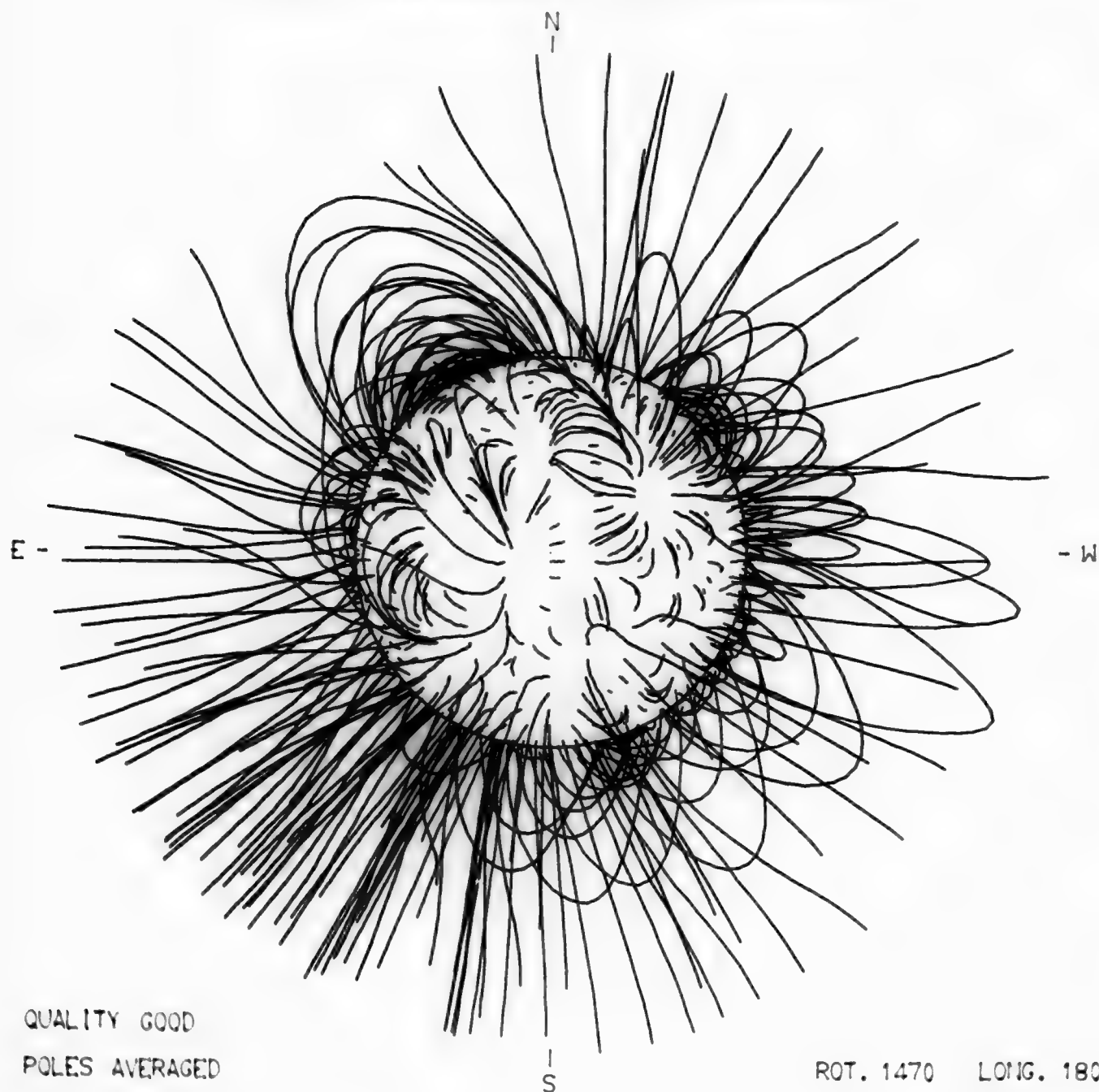


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

I
S

ROT. 1470 LONG. 190°
6.1 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

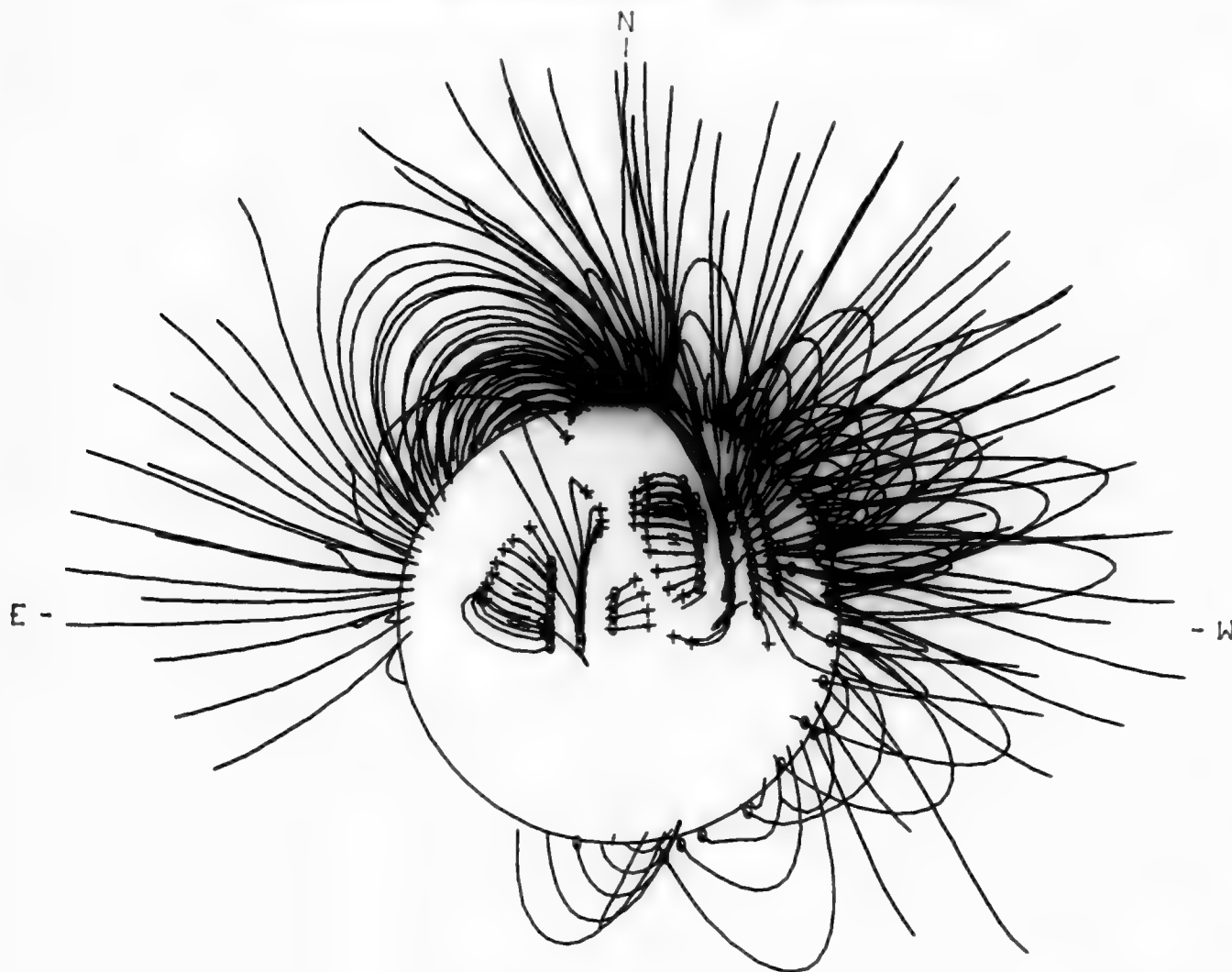
POLES AVERAGED

DATA WINDOW 1470.00

ROT. 1470 LONG. 180°

6.8 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

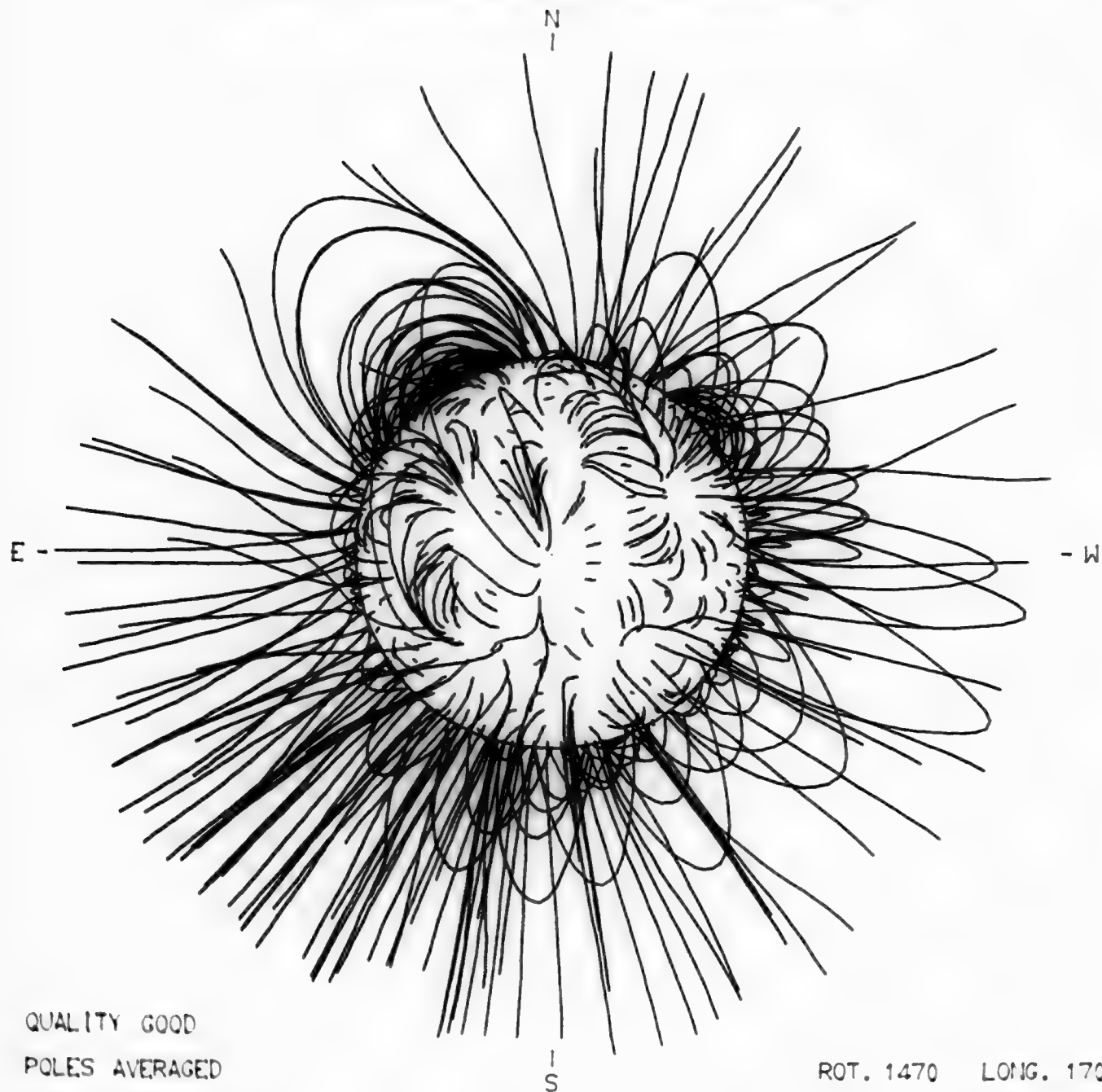
DATA WINDOW 1470.00

I
S

ROT. 1470 LONG. 180°

6.8 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

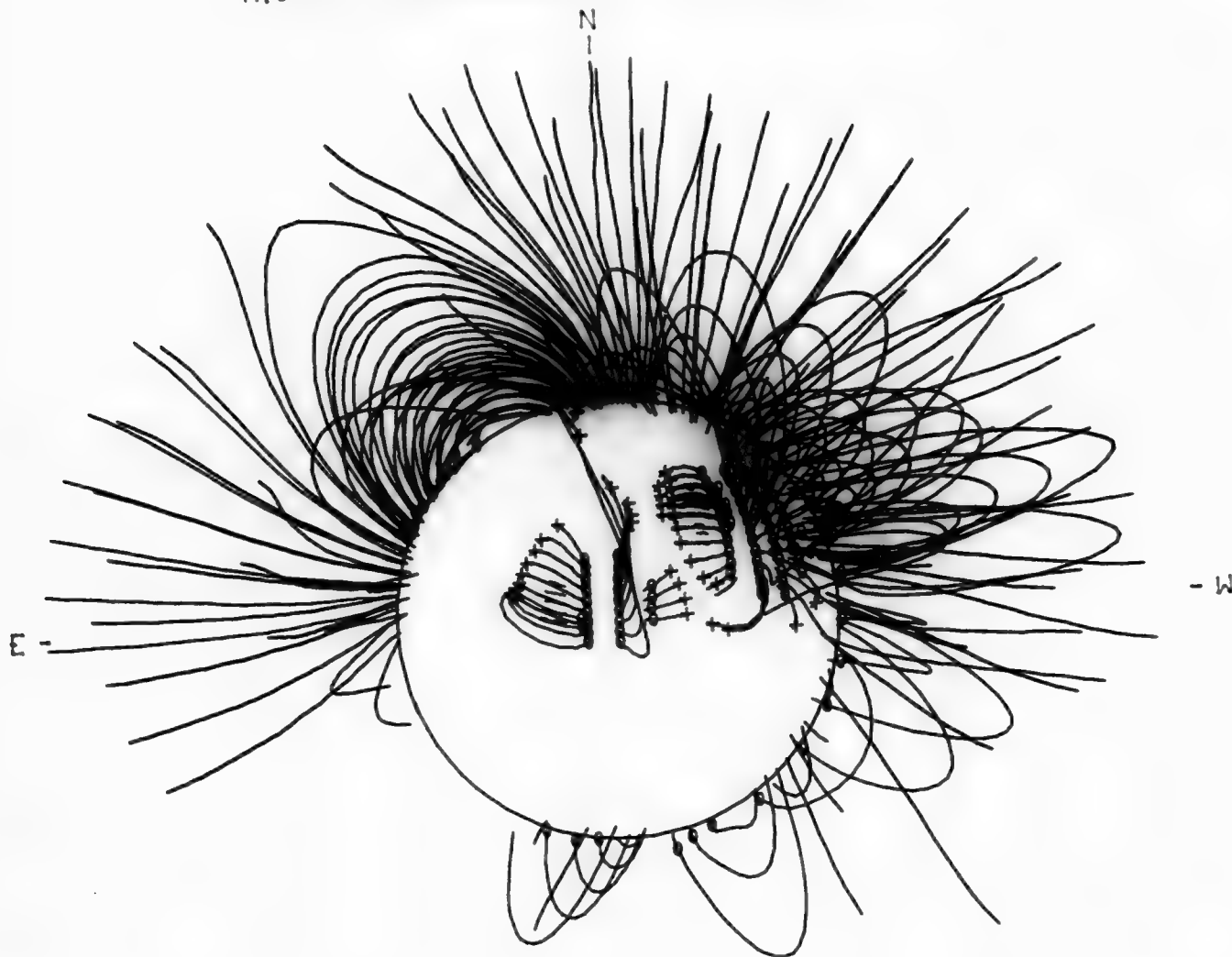
POLES AVERAGED

DATA WINDOW 1470.00

ROT. 1470 LONG. 170°

7.6 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

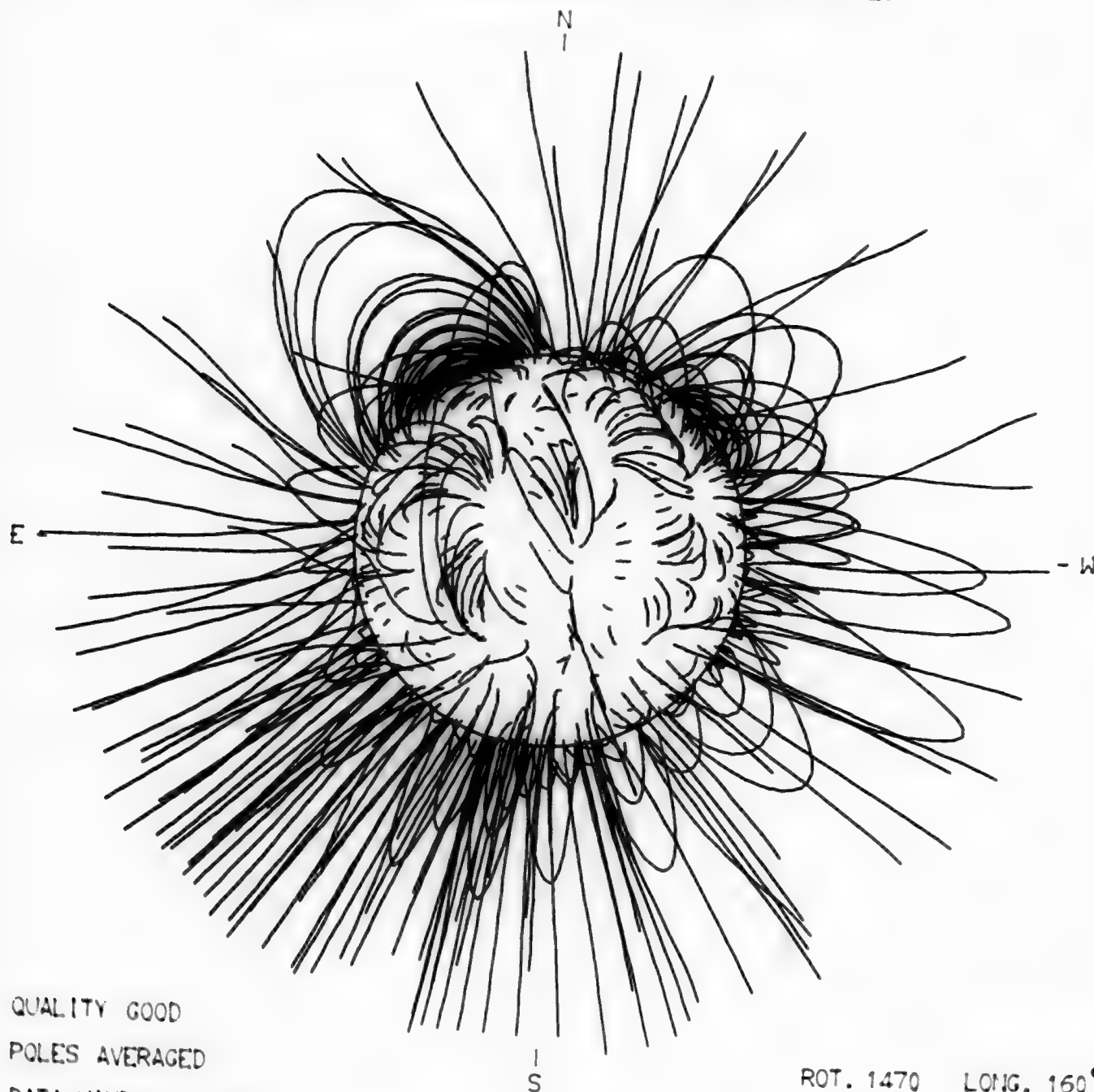


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

I
S

ROT. 1470 LONG. 170°
7.6 AUG 1963

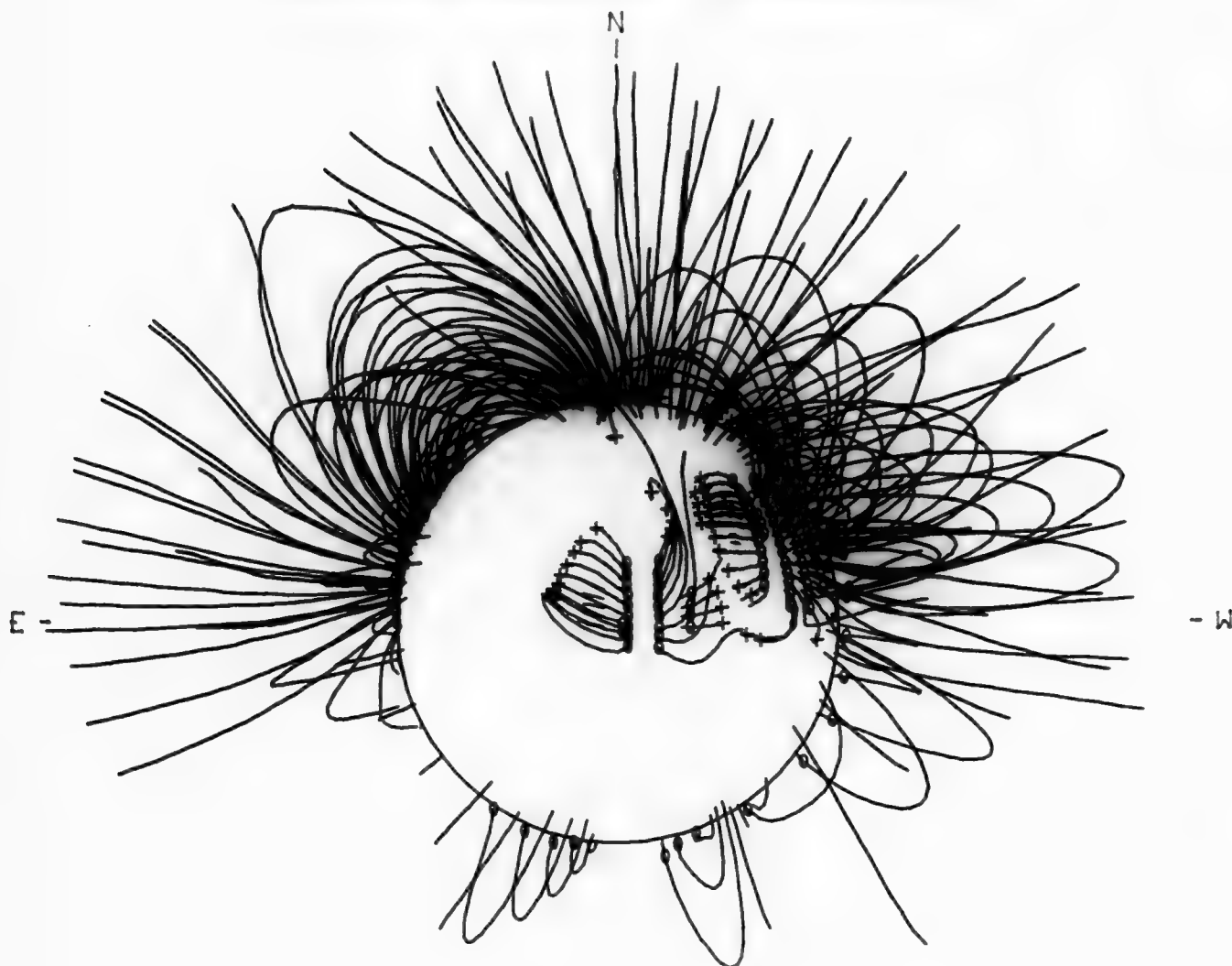
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

ROT. 1470 LONG. 160°
8.3 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

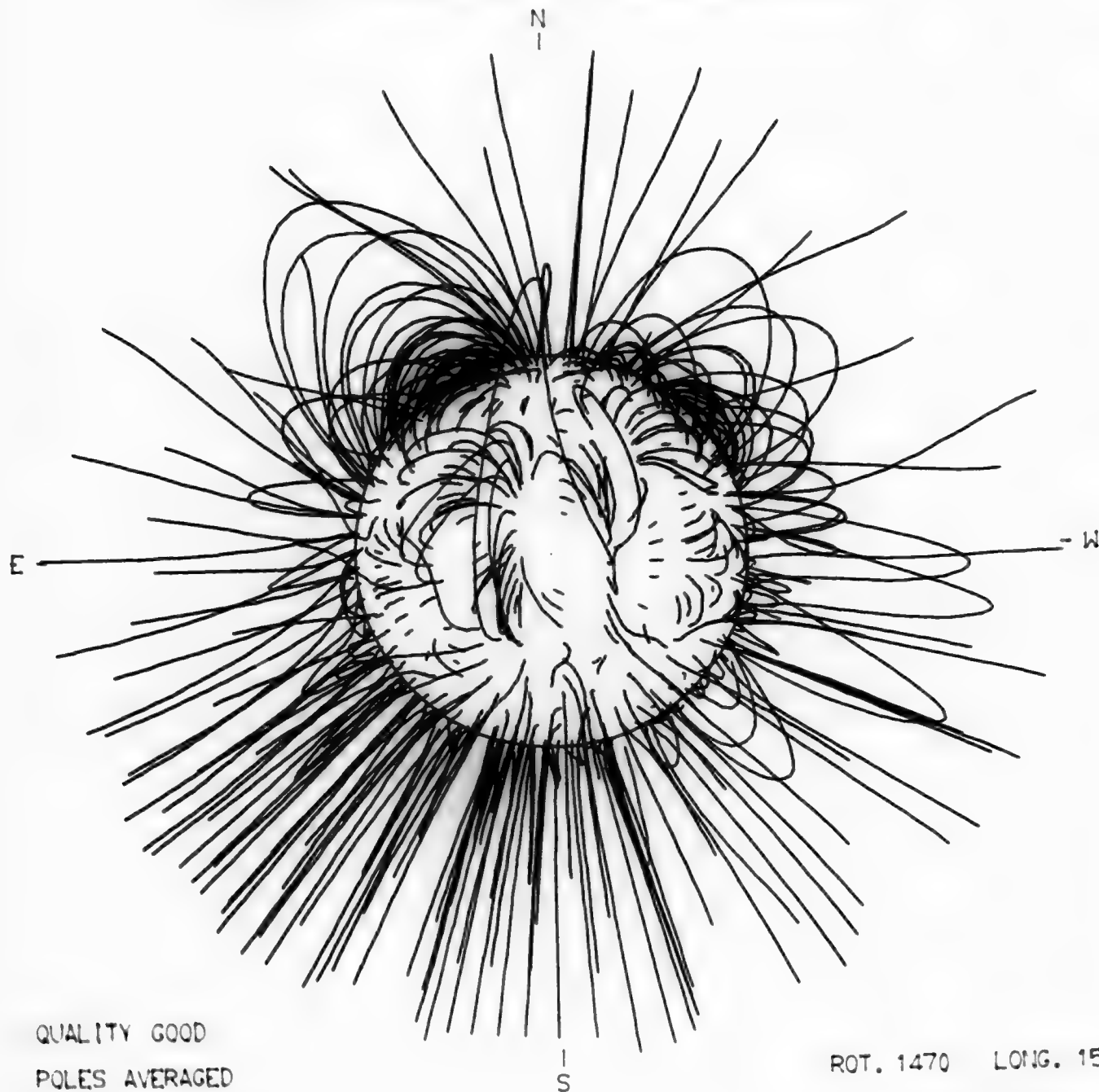
DATA WINDOW 1470.00

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S

ROT. 1470 LONG. 160°

8.3 AUG 1963

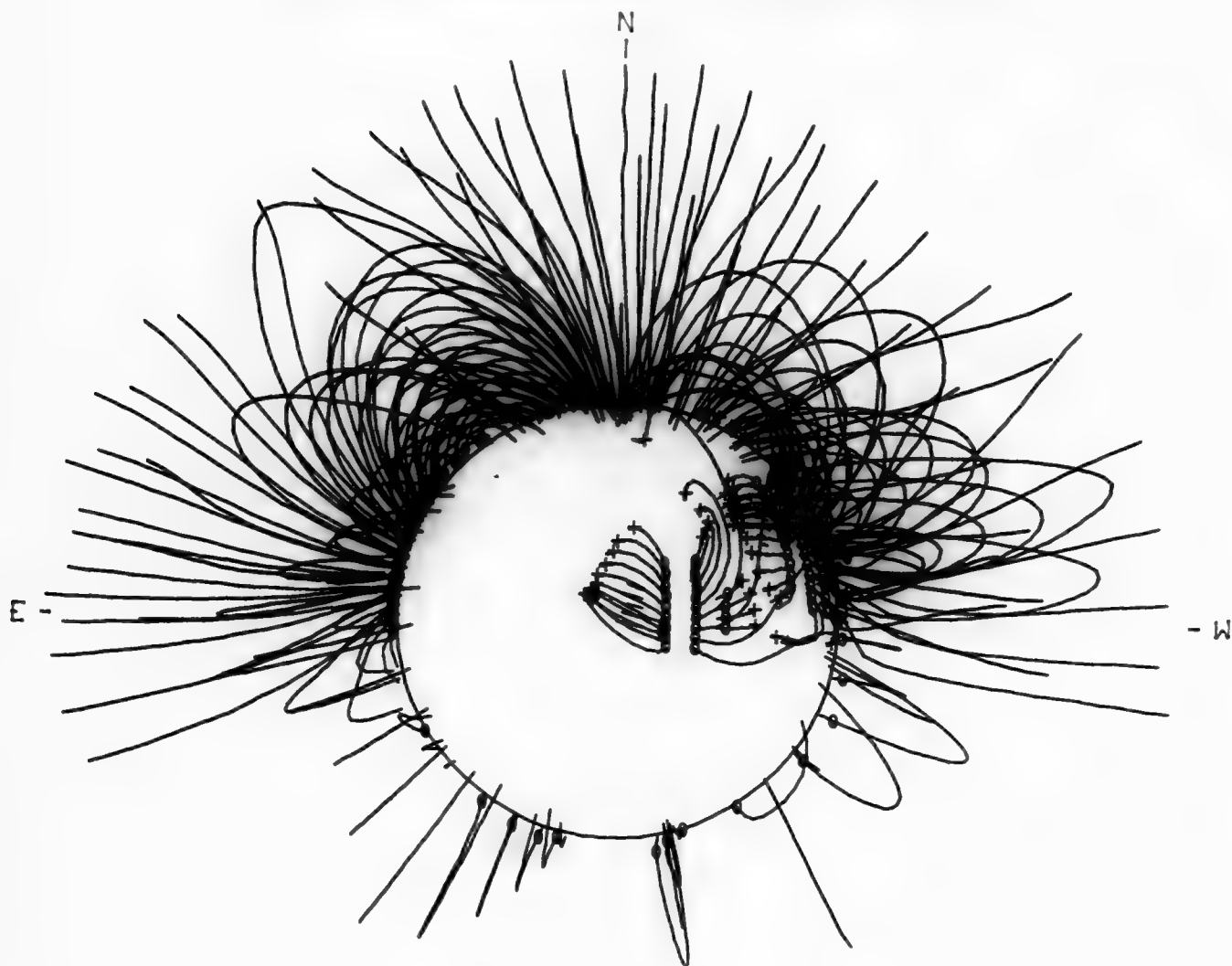
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

ROT. 1470 LONG. 150°
9.1 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

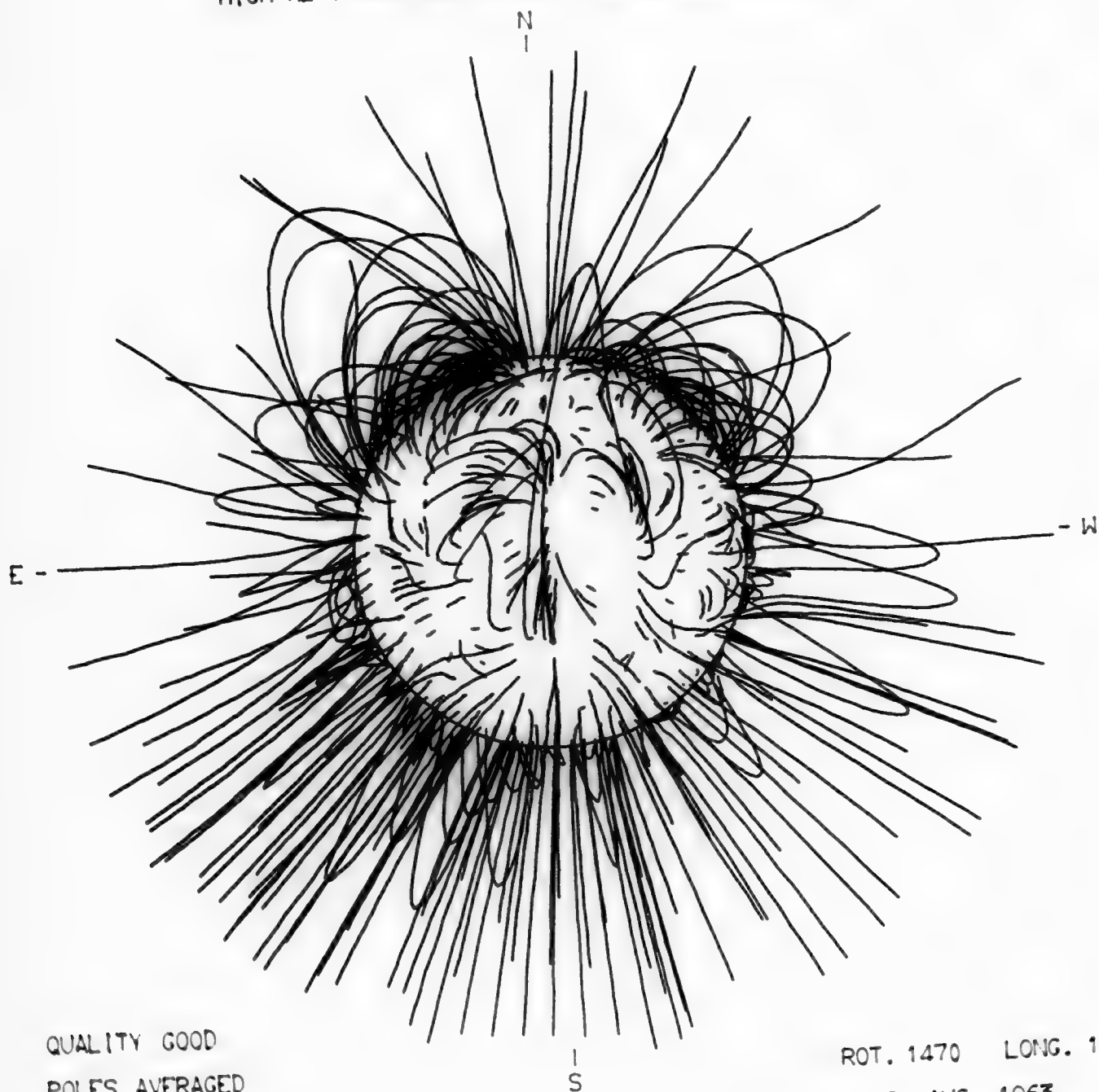
DATA WINDOW 1470.00

I
S

ROT. 1470 LONG. 150°

9.1 AUG 1963

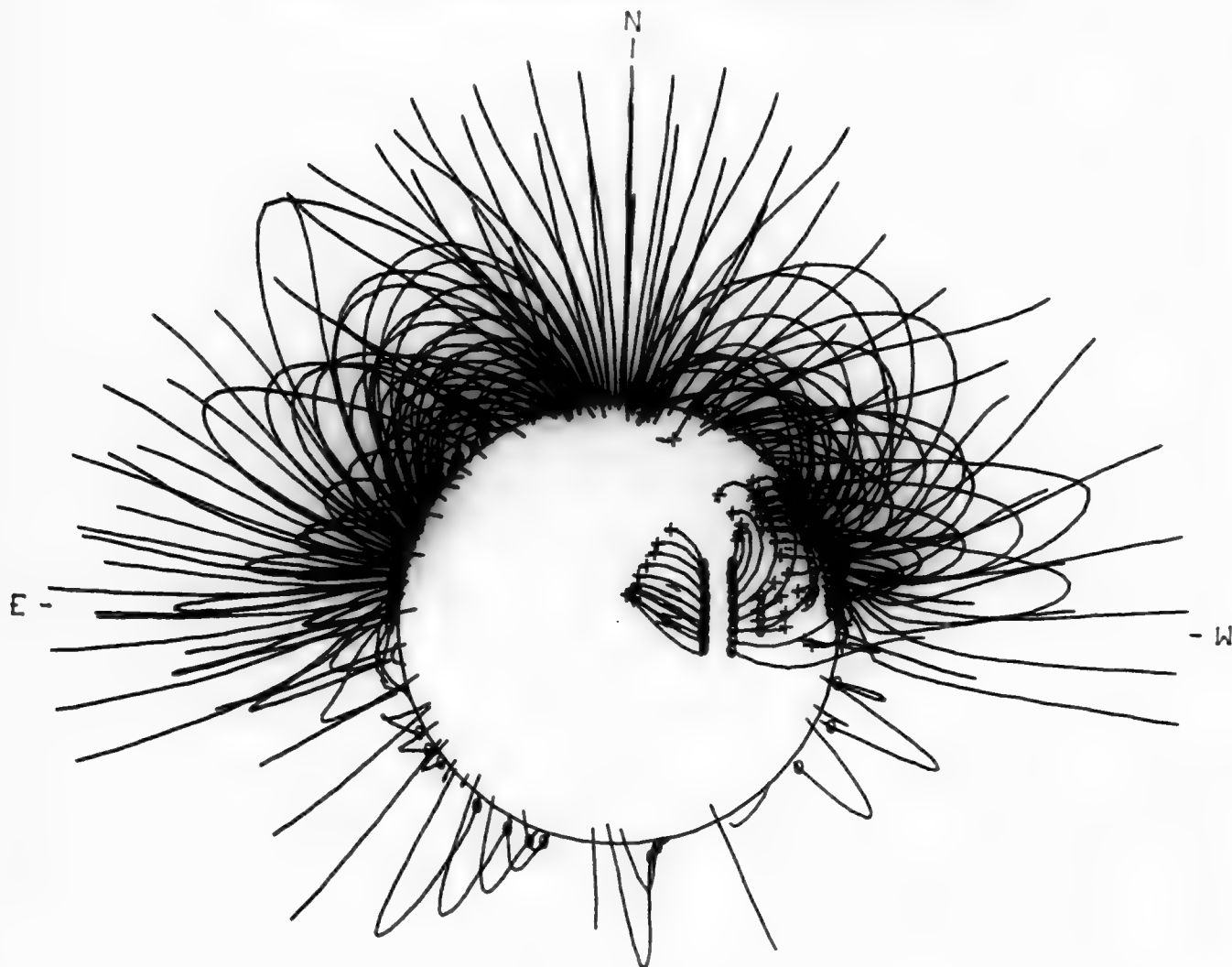
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

ROT. 1470 LONG. 140°
9.8 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

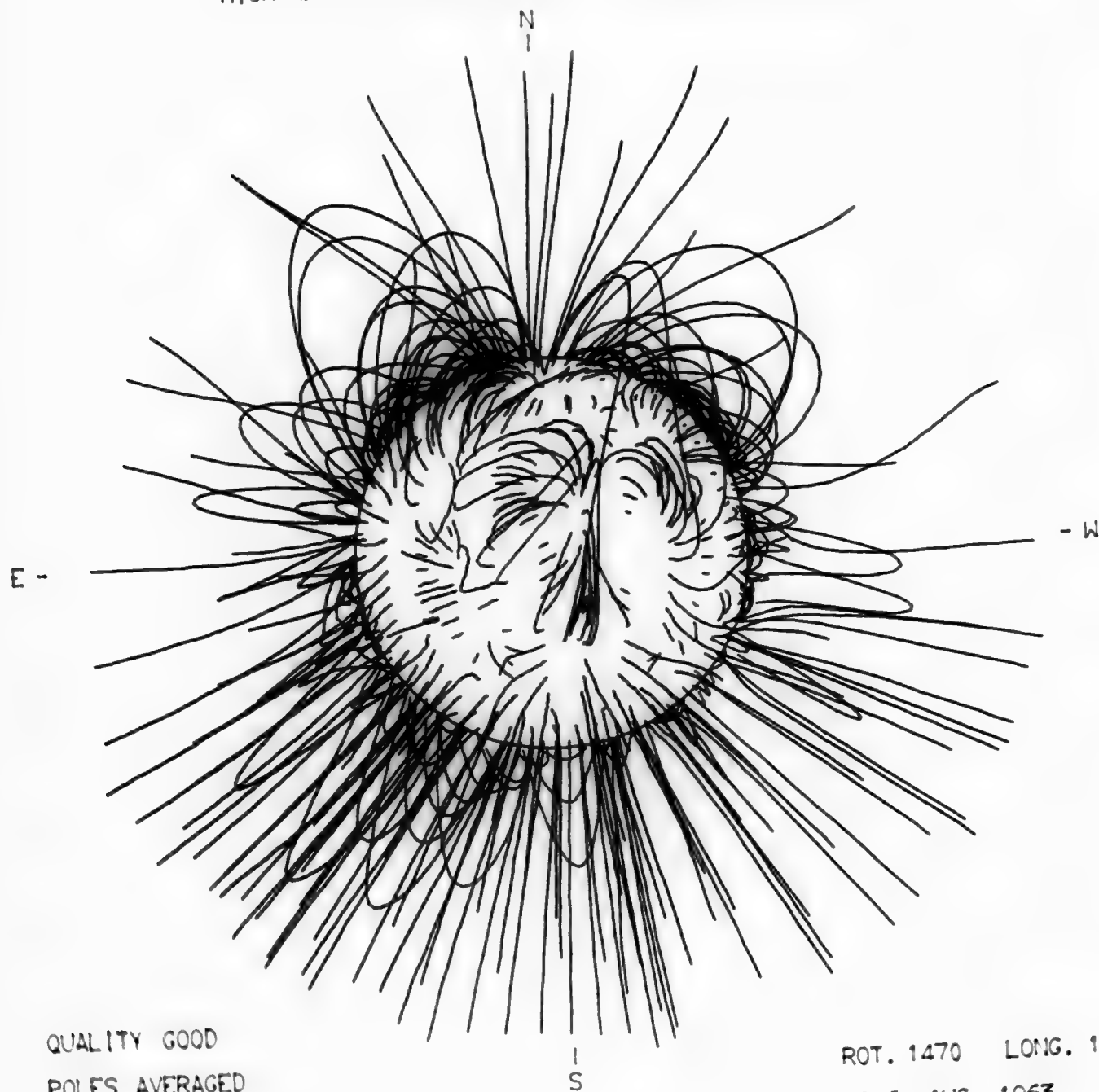
POLES AVERAGED

DATA WINDOW 1470.00

ROT. 1470 LONG. 140°

9.8 AUG 1963

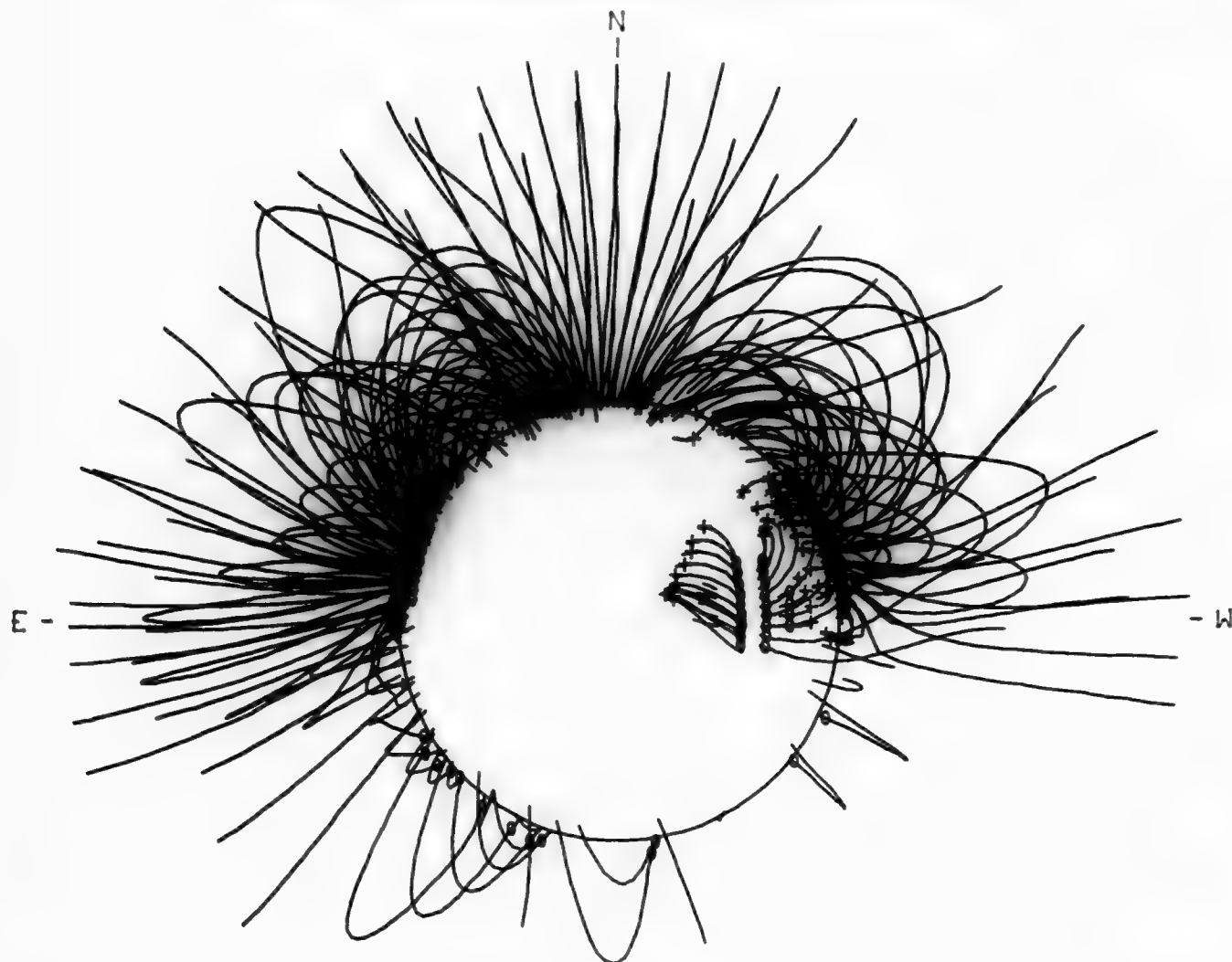
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

ROT. 1470 LONG. 130°
10.6 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

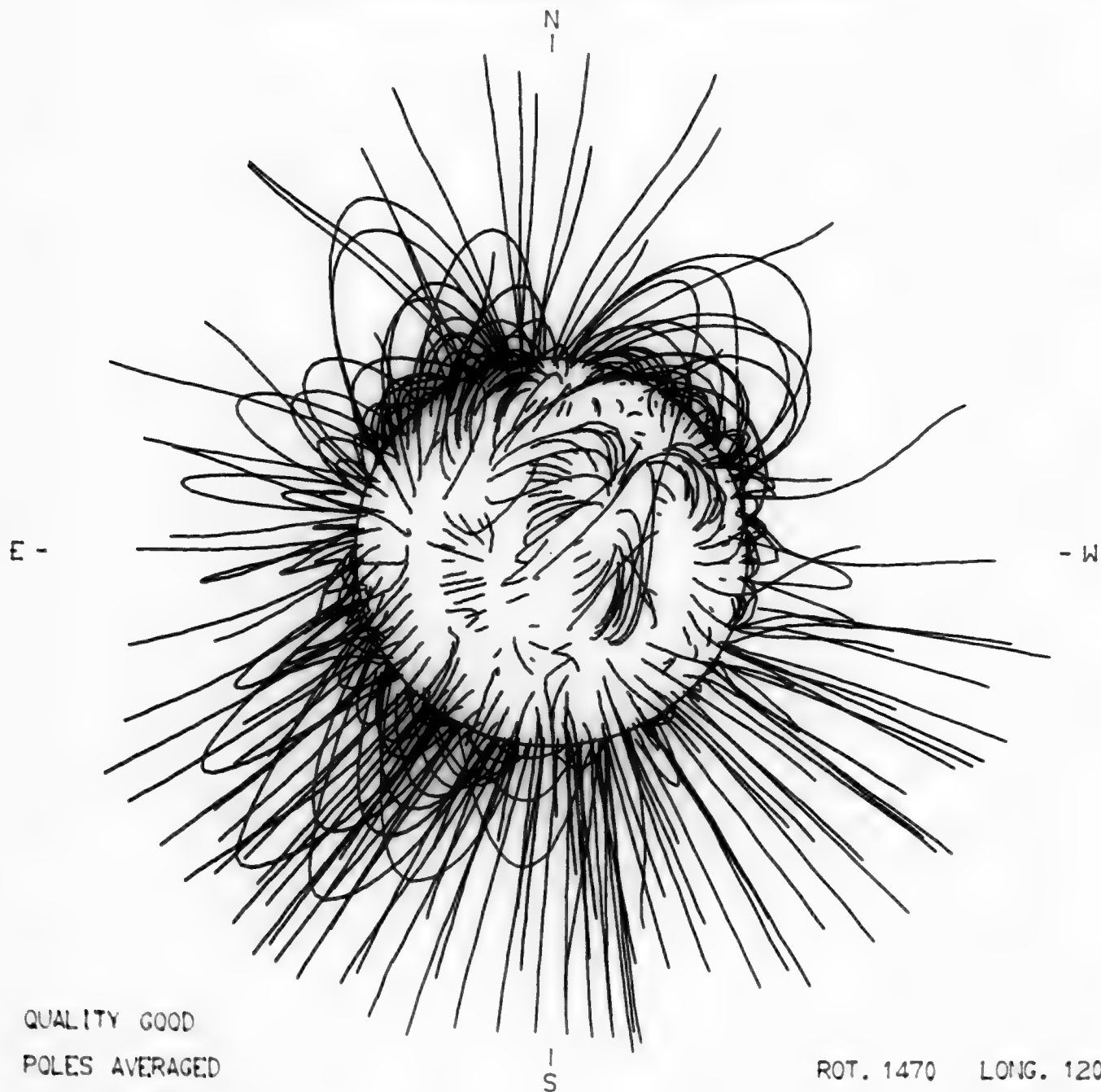
DATA WINDOW 1470.00

N
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S

ROT. 1470 LONG. 130°

10.6 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

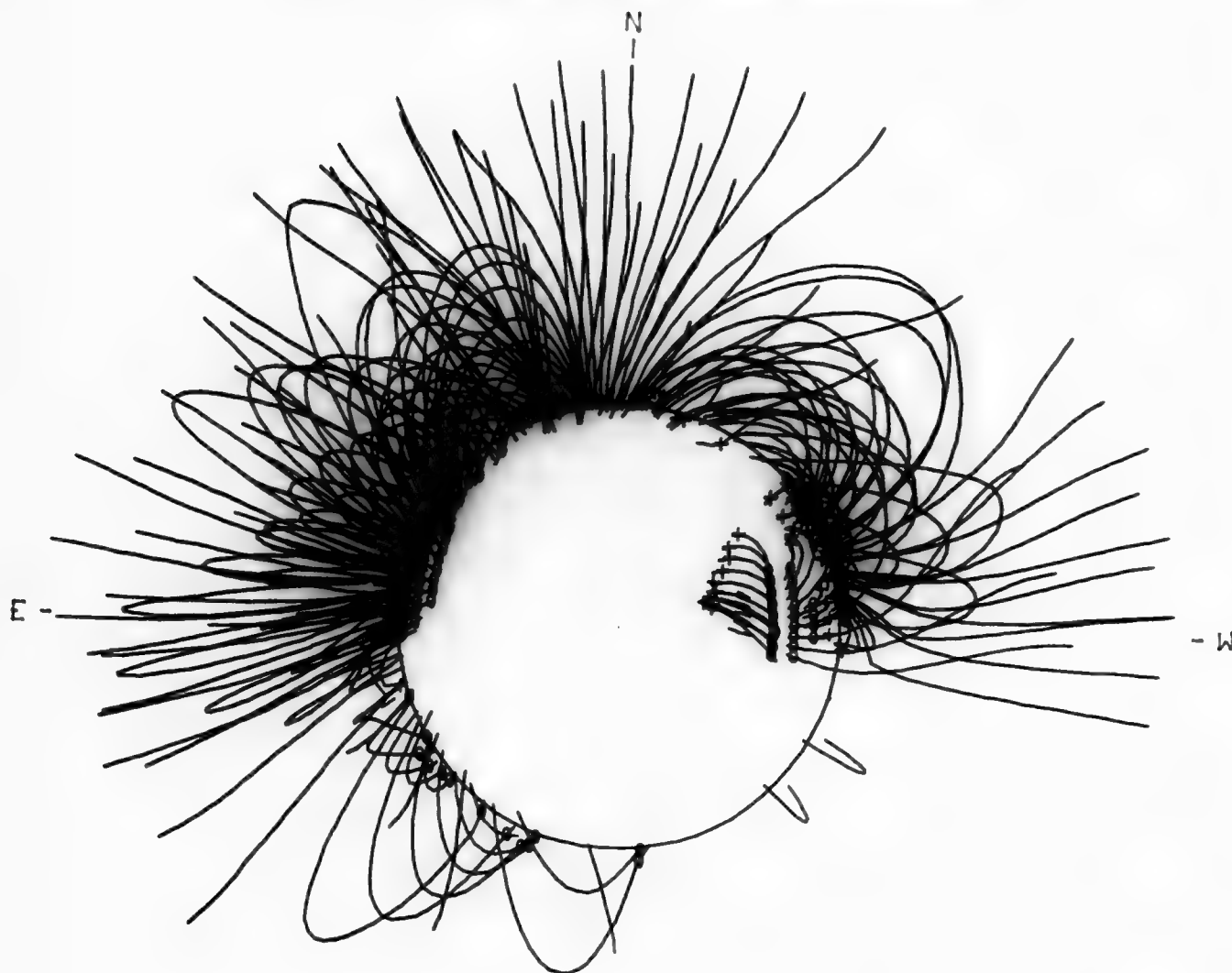
POLES AVERAGED

DATA WINDOW 1470.00

ROT. 1470 LONG. 120°

11.4 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

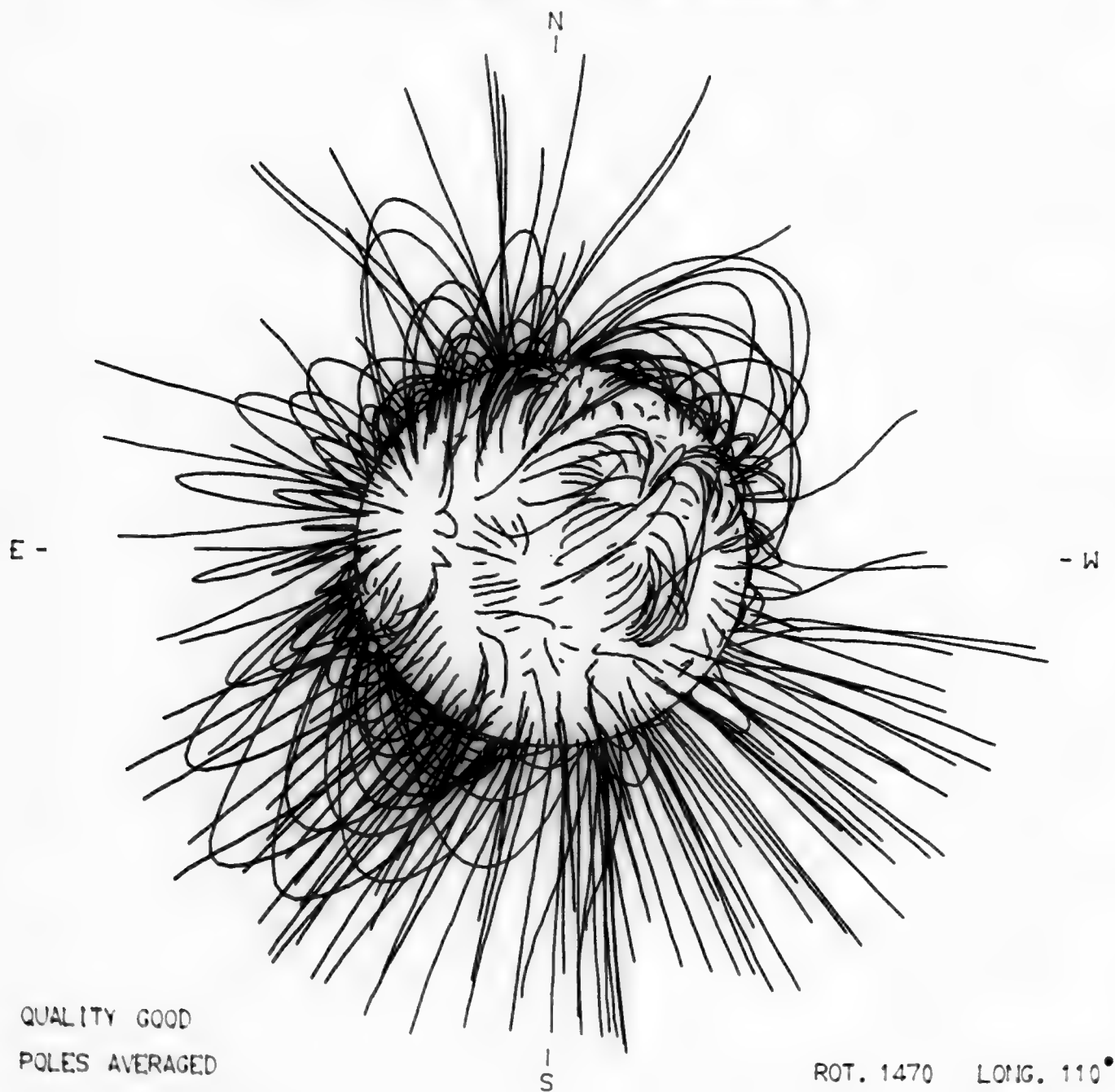
DATA WINDOW 1470.00

I
S

ROT. 1470 LONG. 120°

11.4 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

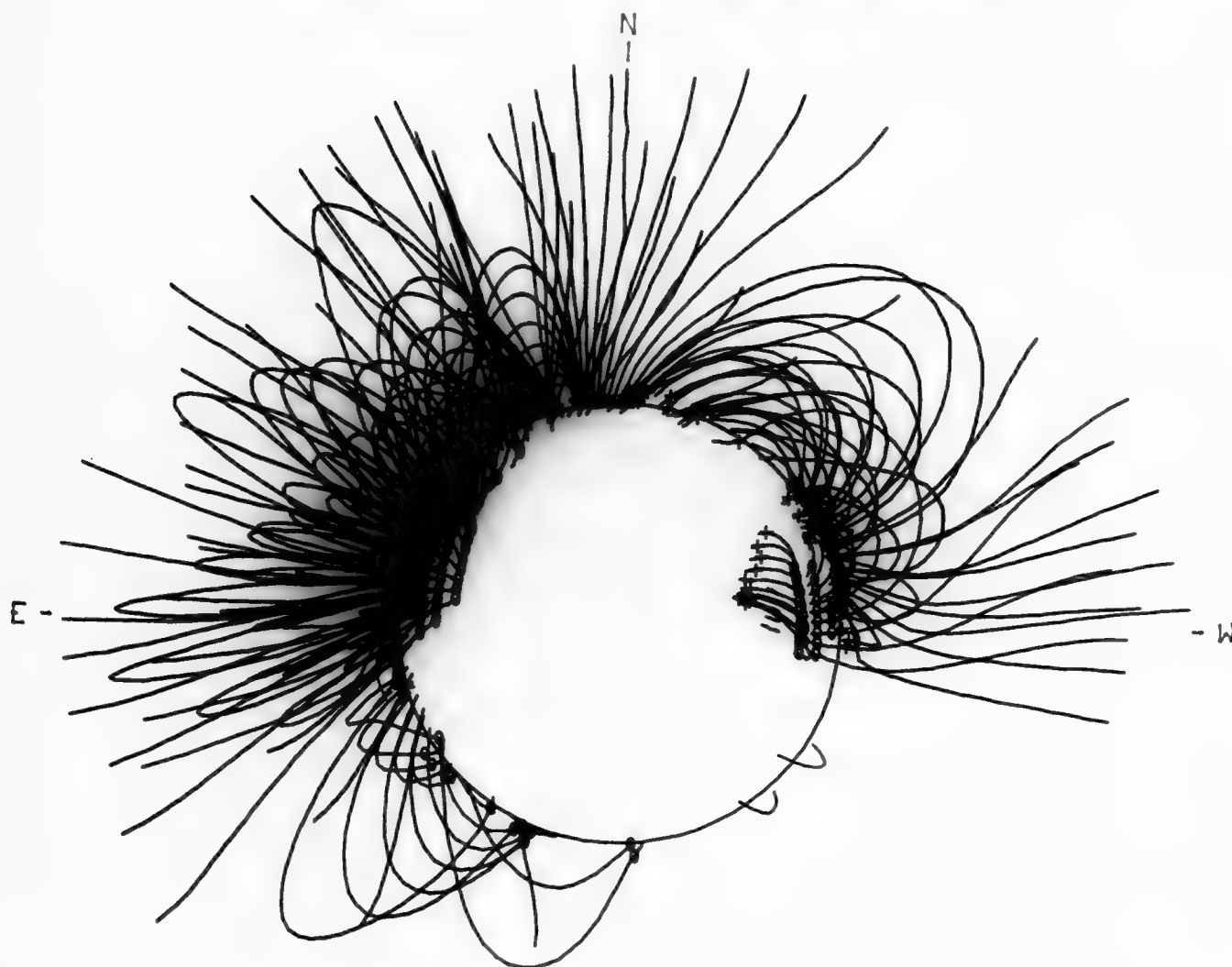
POLES AVERAGED

DATA WINDOW 1470.00

ROT. 1470 LONG. 110°

12.1 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

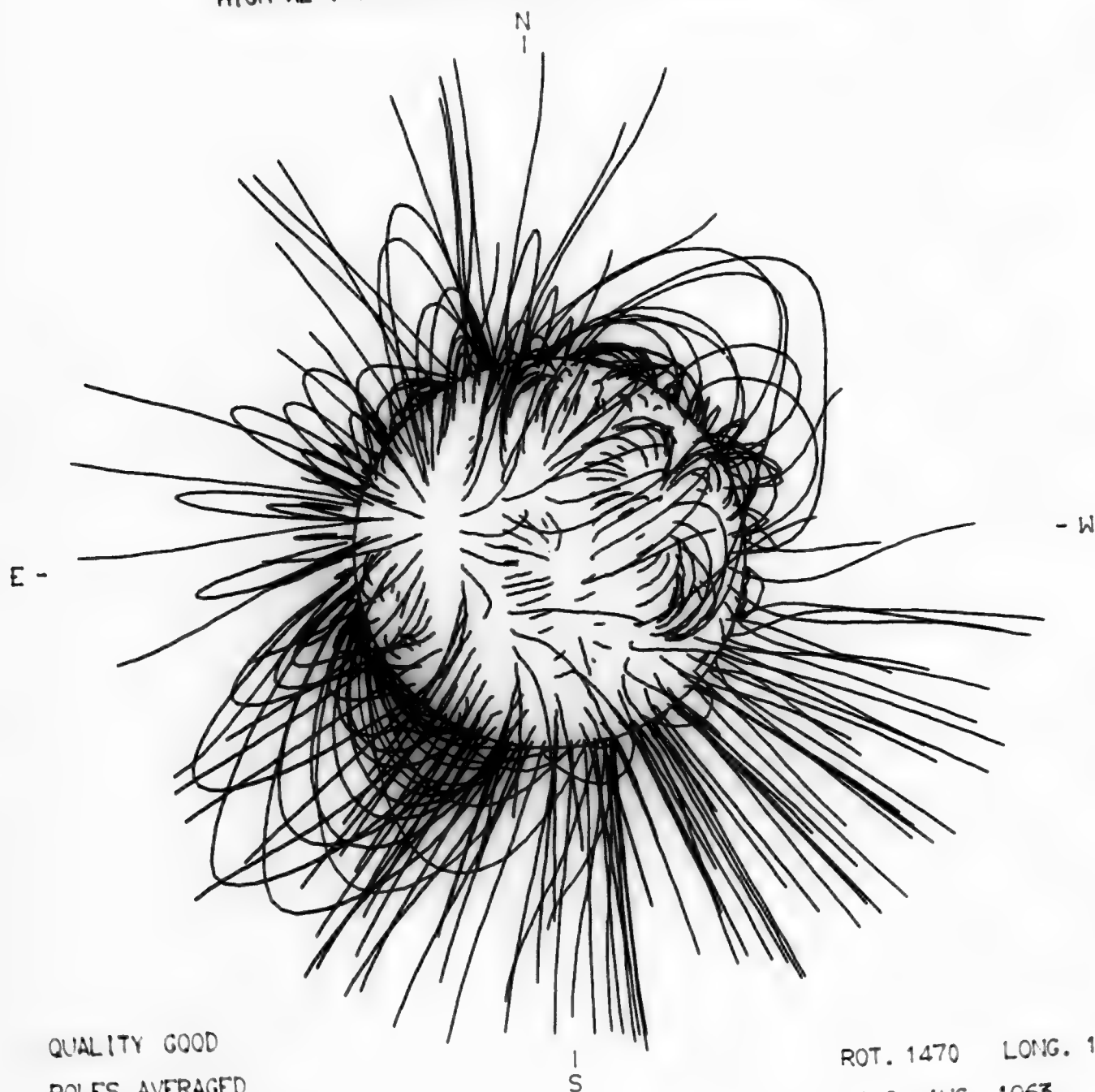
DATA WINDOW 1470.00

S

ROT. 1470 LONG. 110°

12.1 AUG 1963

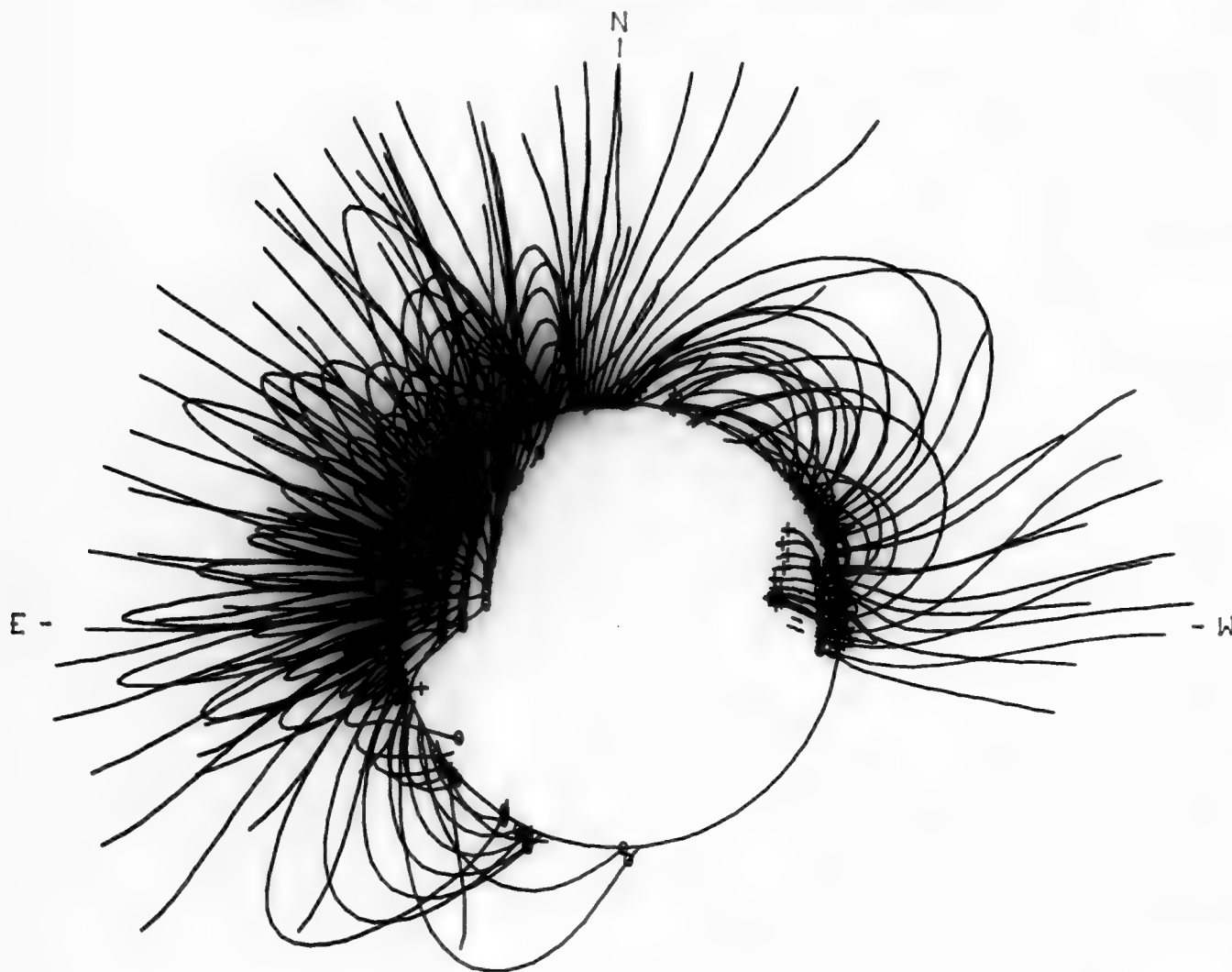
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

ROT. 1470 LONG. 100°
12.9 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

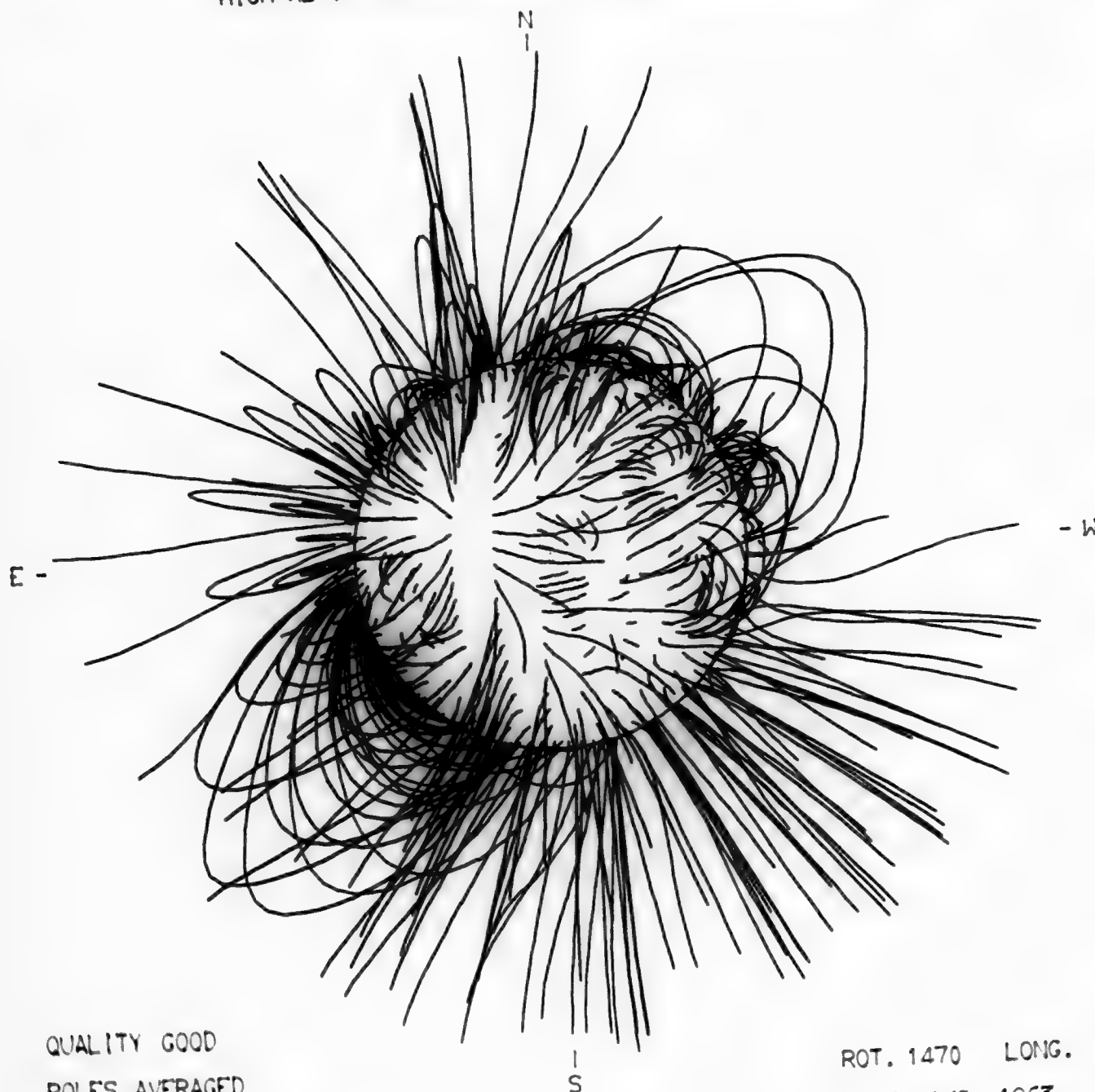
DATA WINDOW 1470.00

N
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S

ROT. 1470 LONG. 100°

12.9 AUG 1963

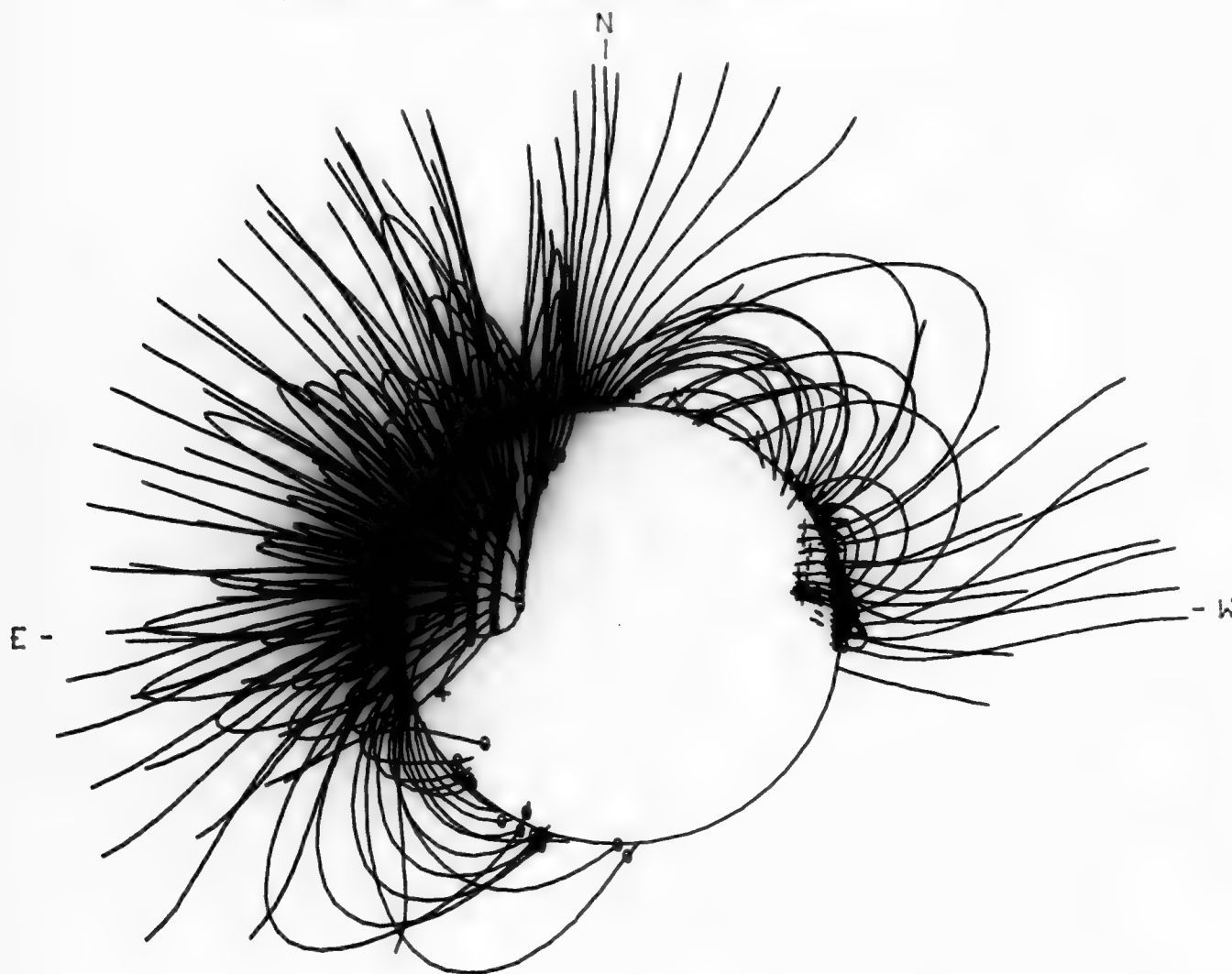
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.00

ROT. 1470 LONG. 90°
13.6 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

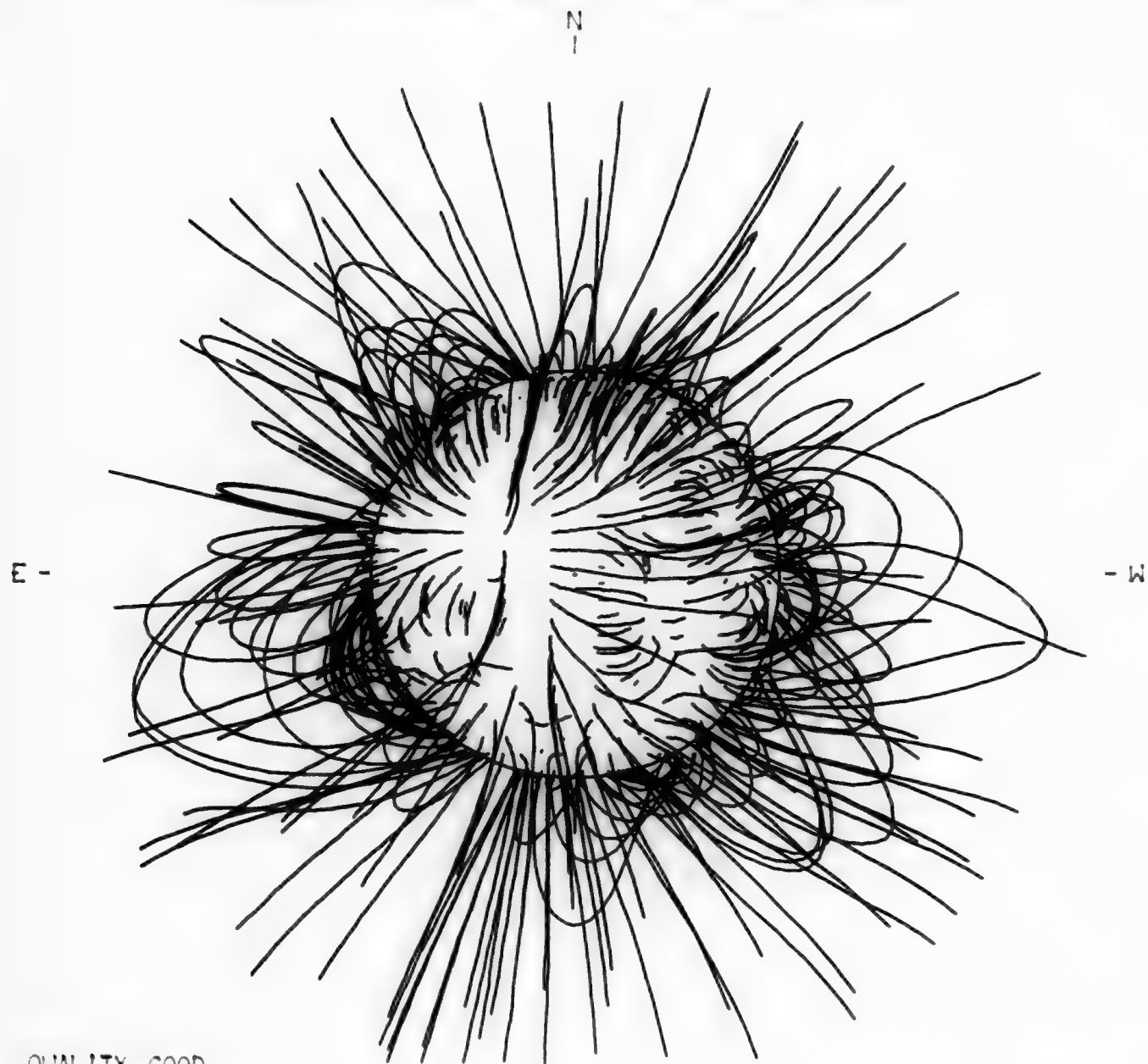
POLES AVERAGED

DATA WINDOW 1470.00

I
S

ROT. 1470 LONG. 90°
13.6 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

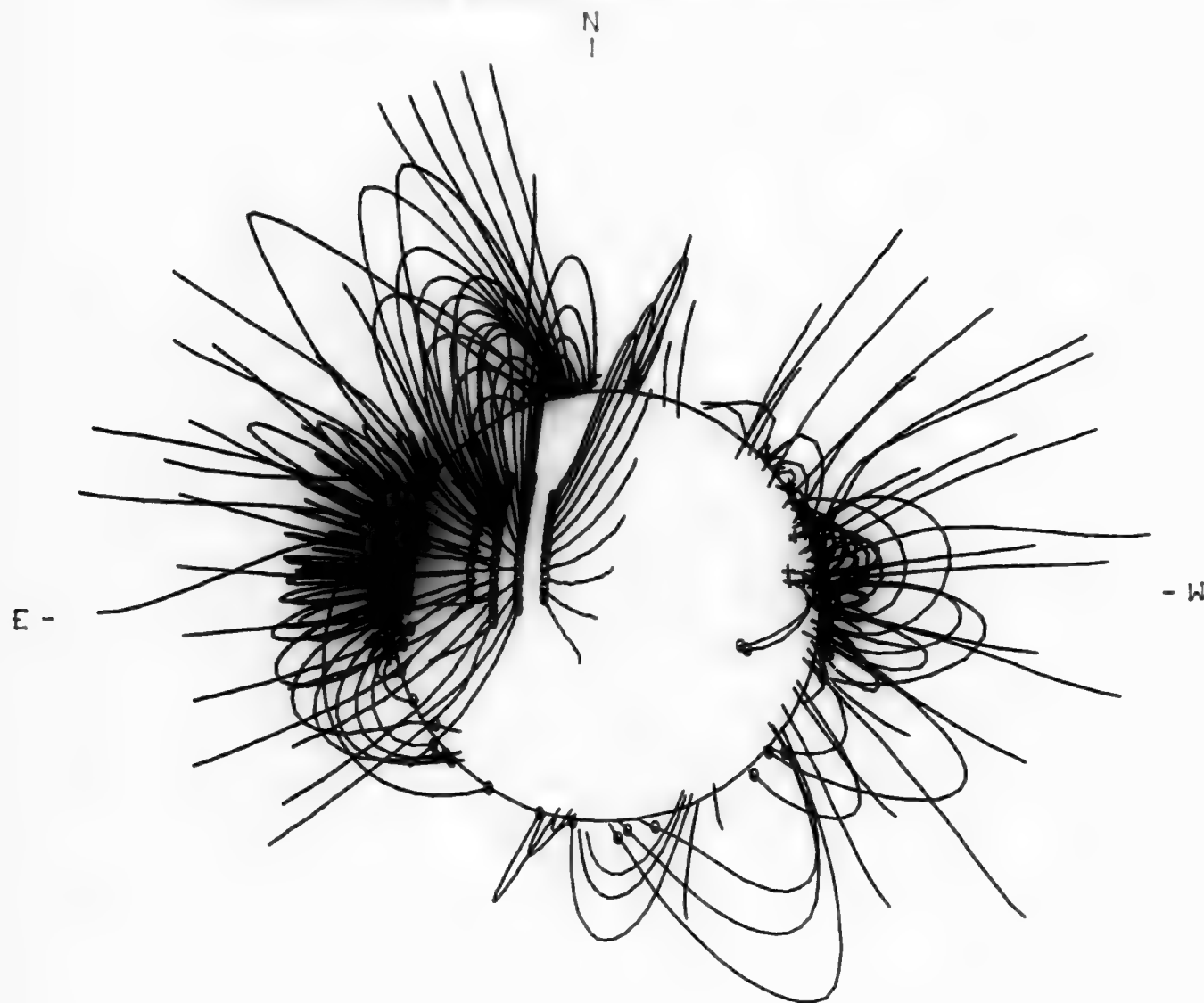
DATA WINDOW 1470.47

I
S

ROT. 1470 LONG. 80°

14.4 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

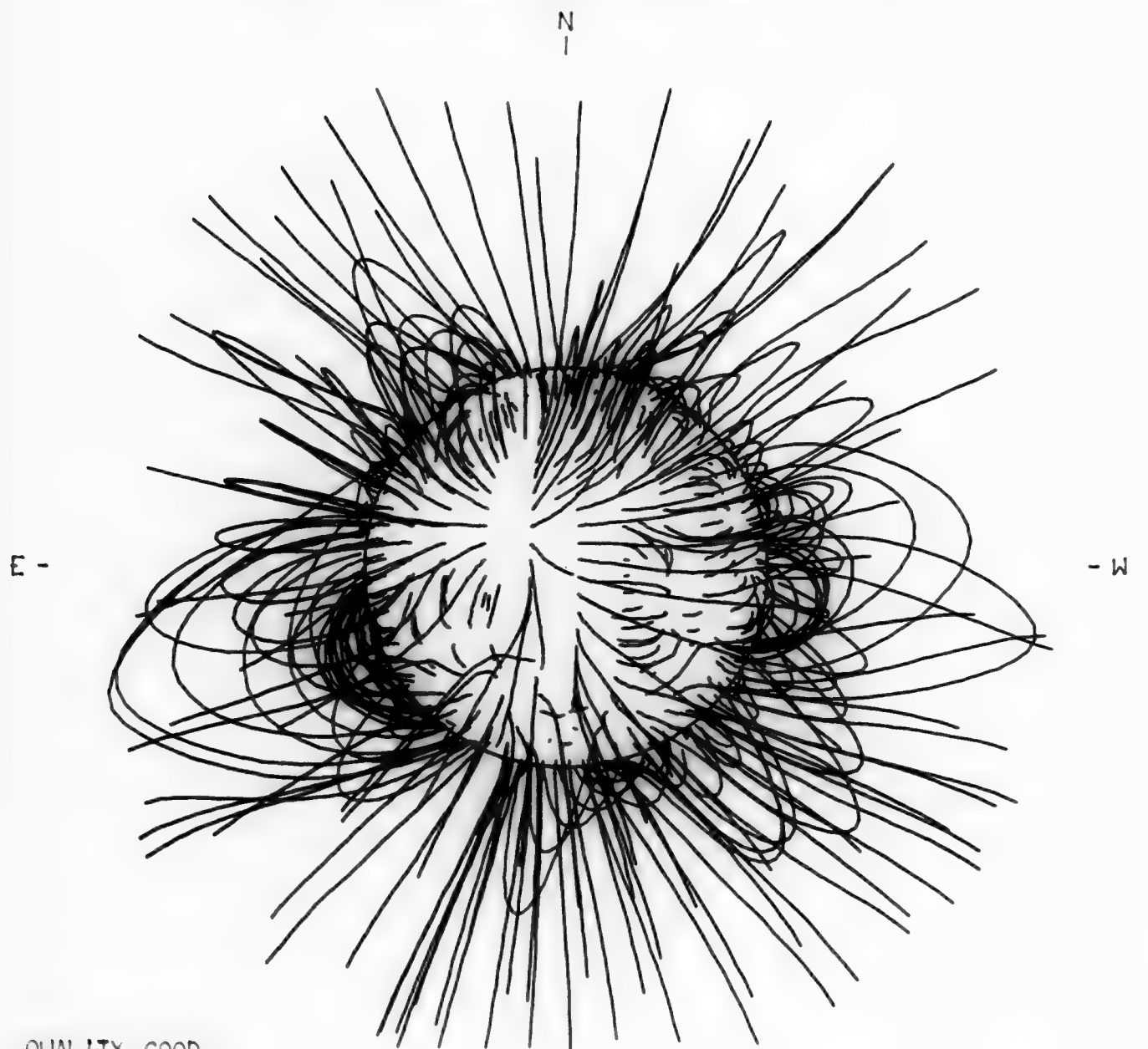
DATA WINDOW 1470.47

I
S

ROT. 1470 LONG. 80°

14.4 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

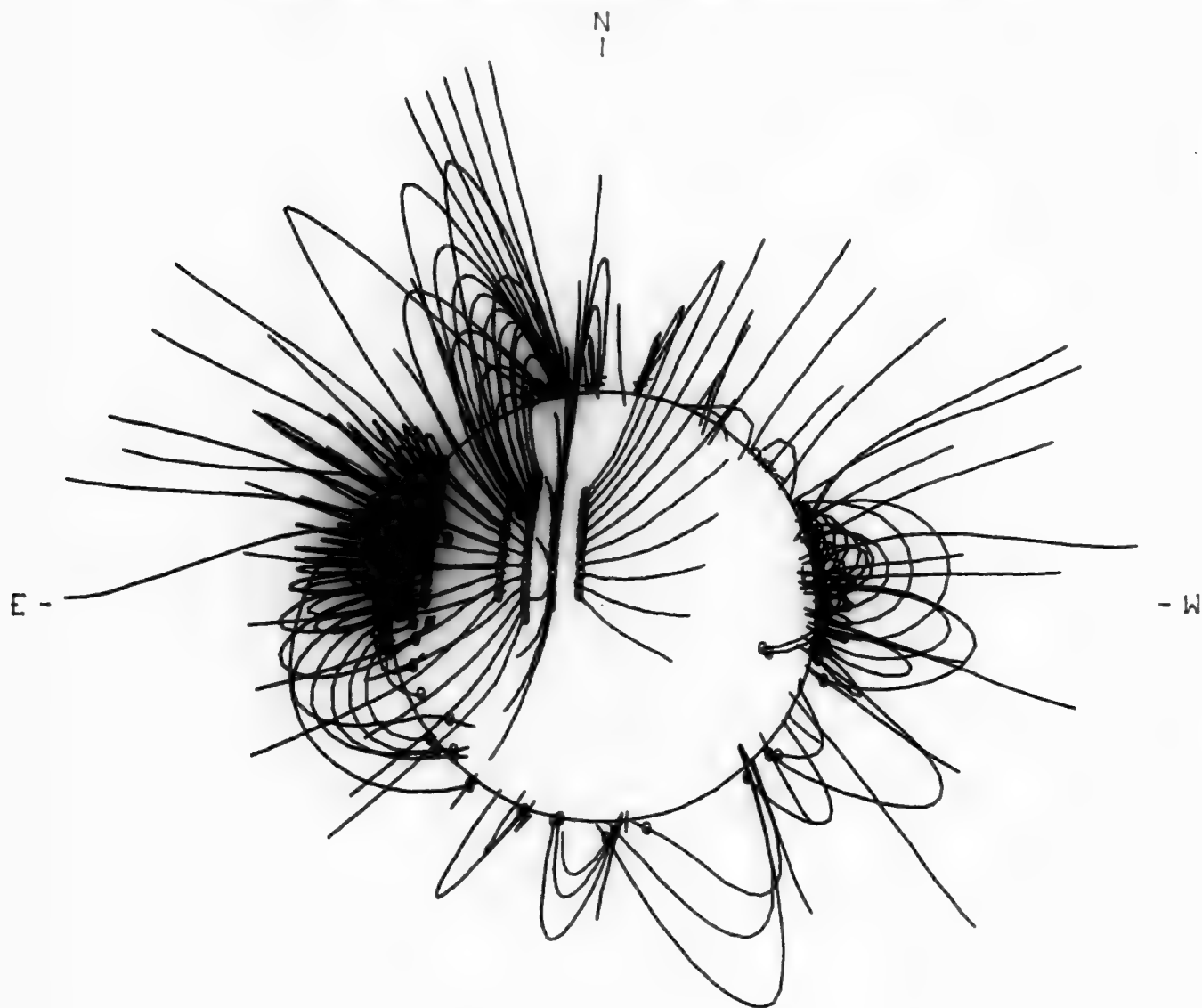
DATA WINDOW 1470.47

1
S

ROT. 1470 LONG. 70°

15.1 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

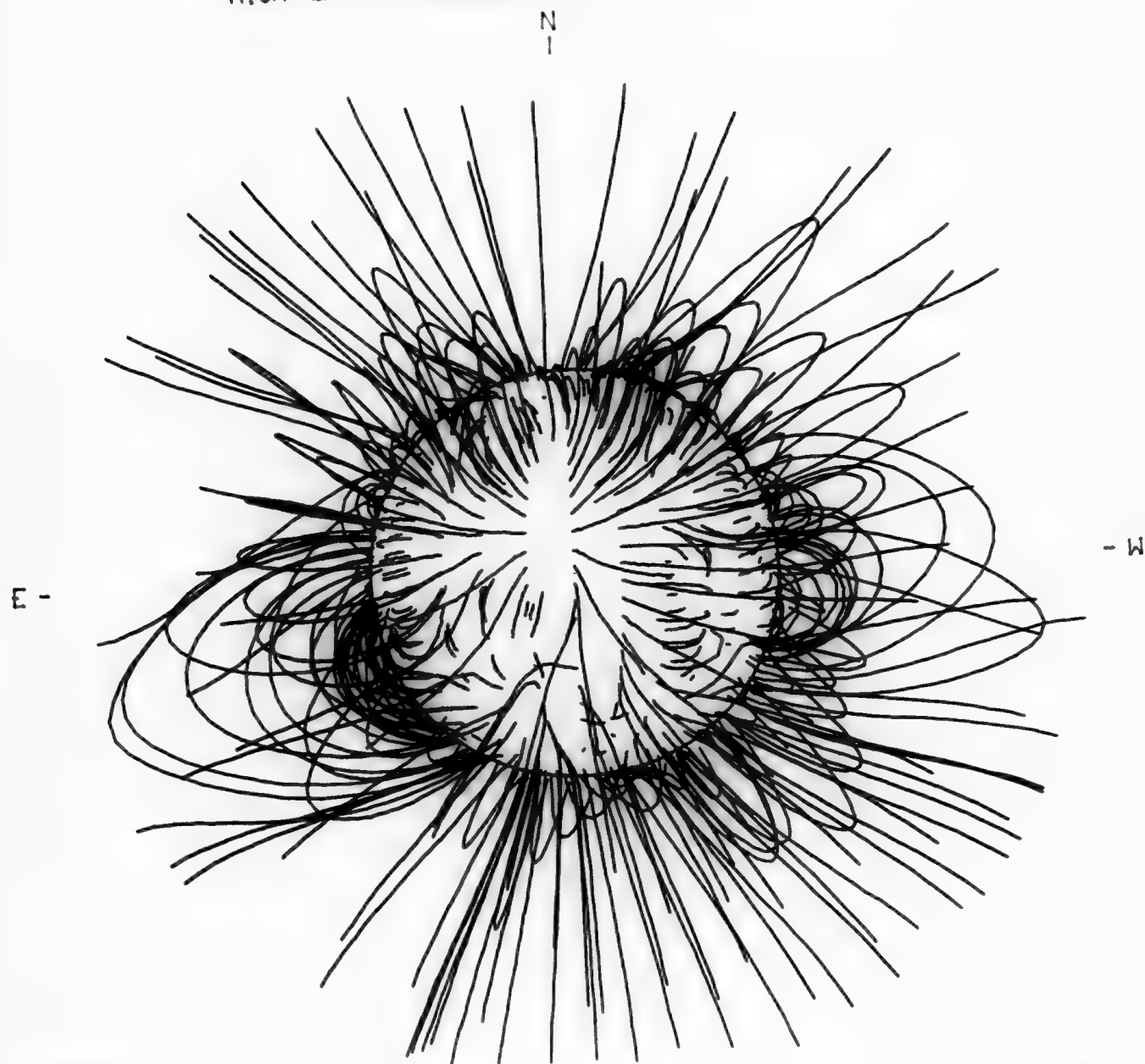
DATA WINDOW 1470.47

I
S

ROT. 1470 LONG. 70°

15.1 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

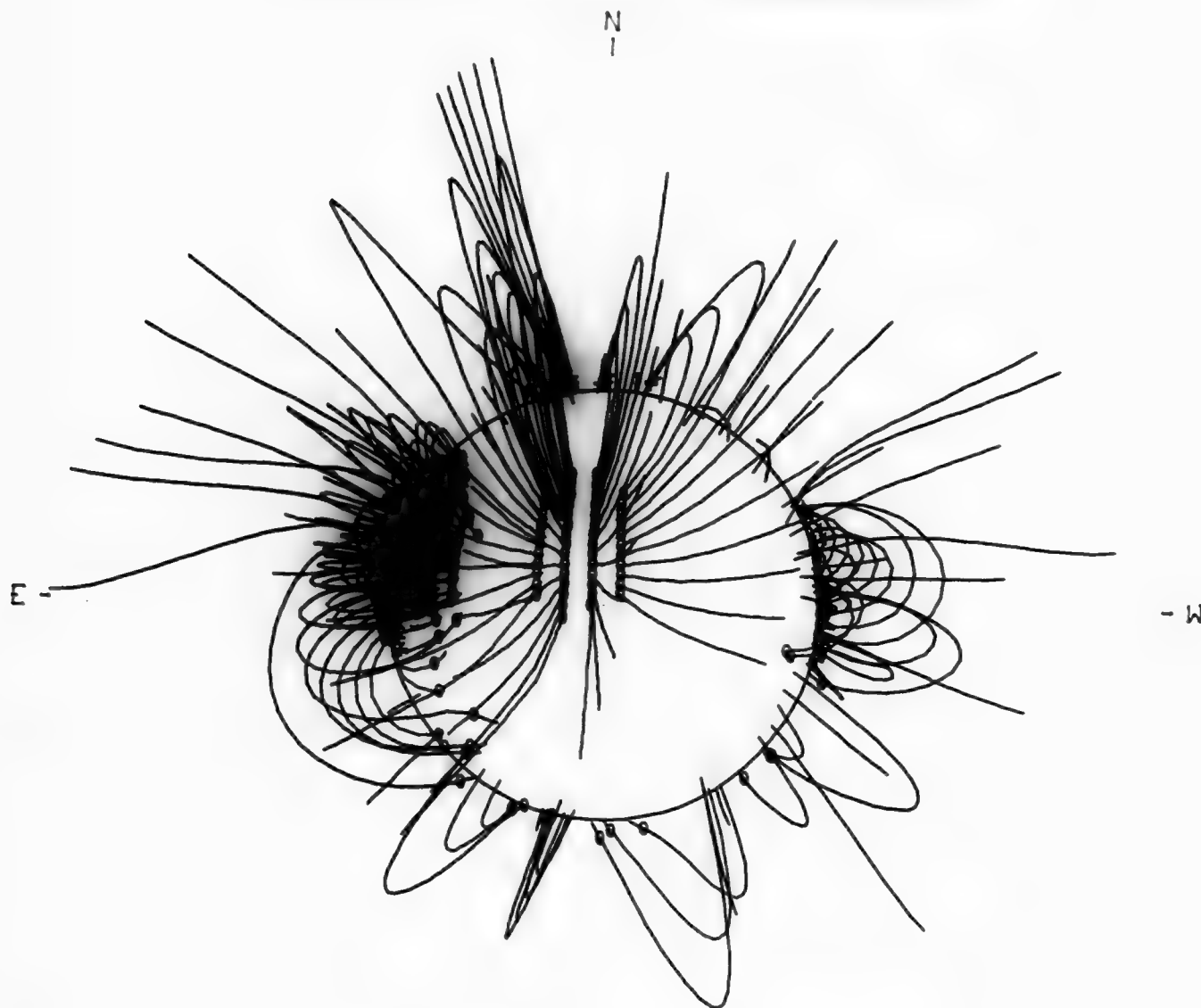


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.47

I
S

ROT. 1470 LONG. 60°
15.9 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

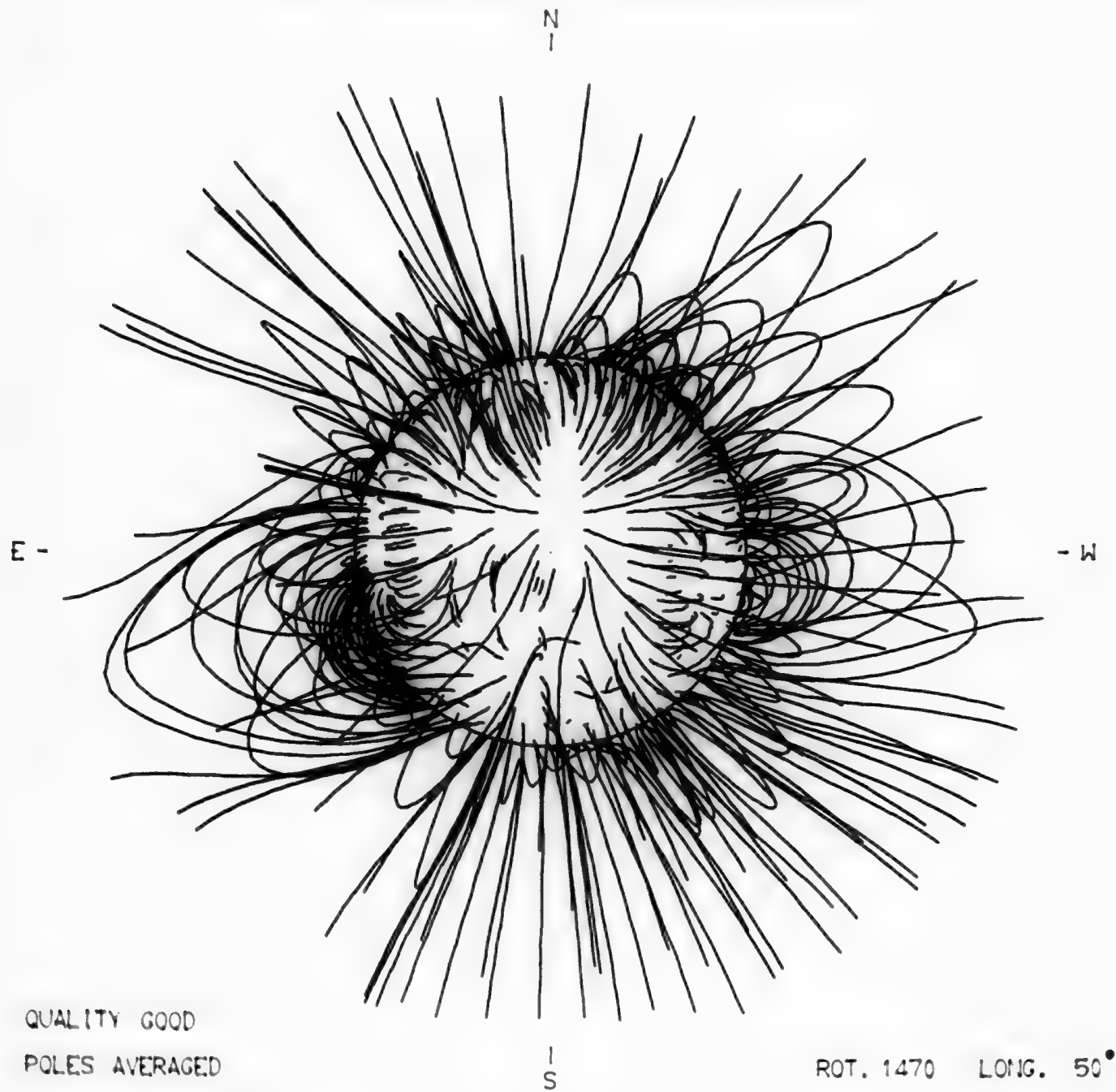
DATA WINDOW 1470.47

I
S

ROT. 1470 LONG. 60°

15.9 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

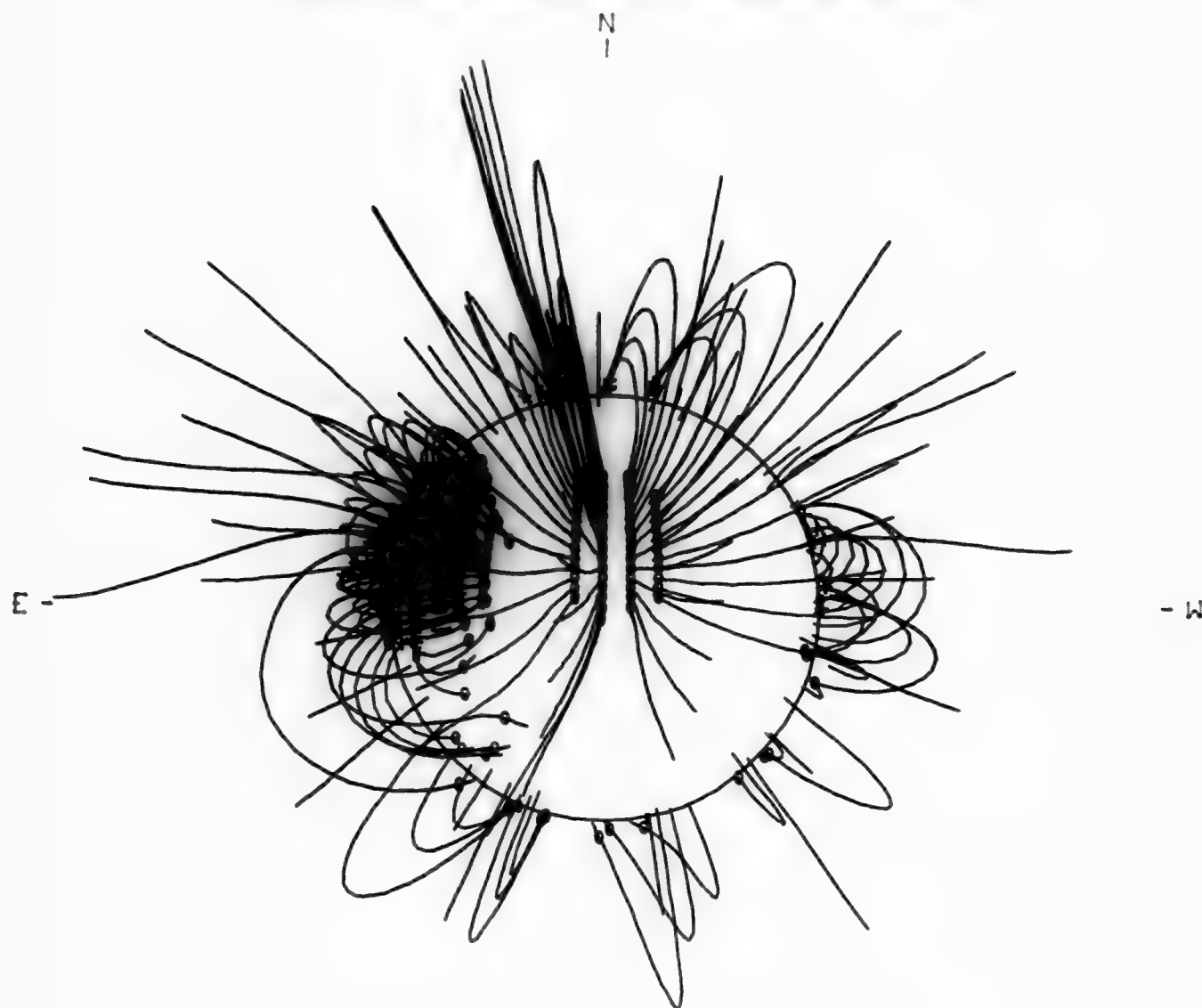
POLES AVERAGED

DATA WINDOW 1470.47

ROT. 1470 LONG. 50°

16.6 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

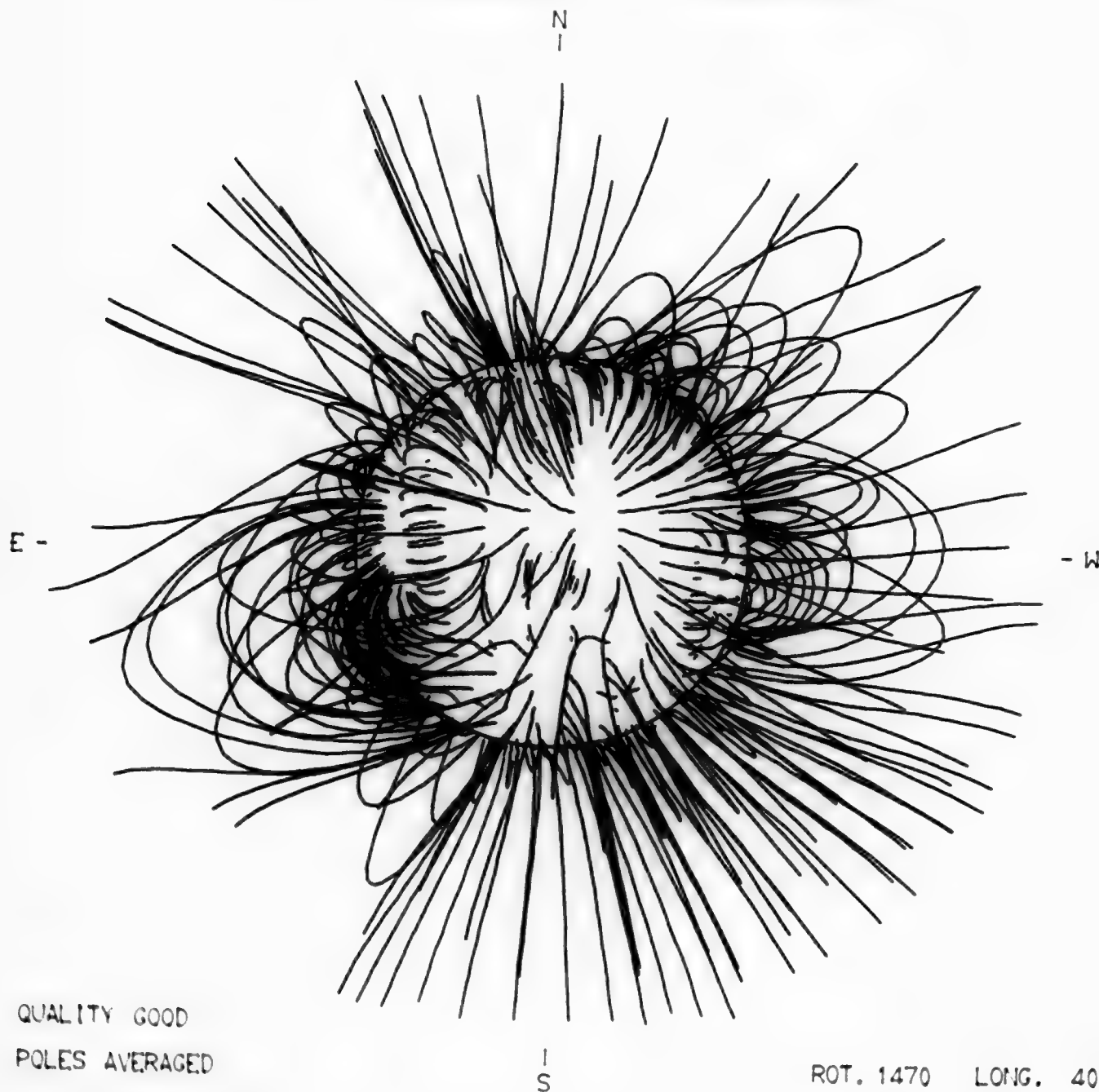
DATA WINDOW 1470.47

I
S

ROT. 1470 LONG. 50°

16.6 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

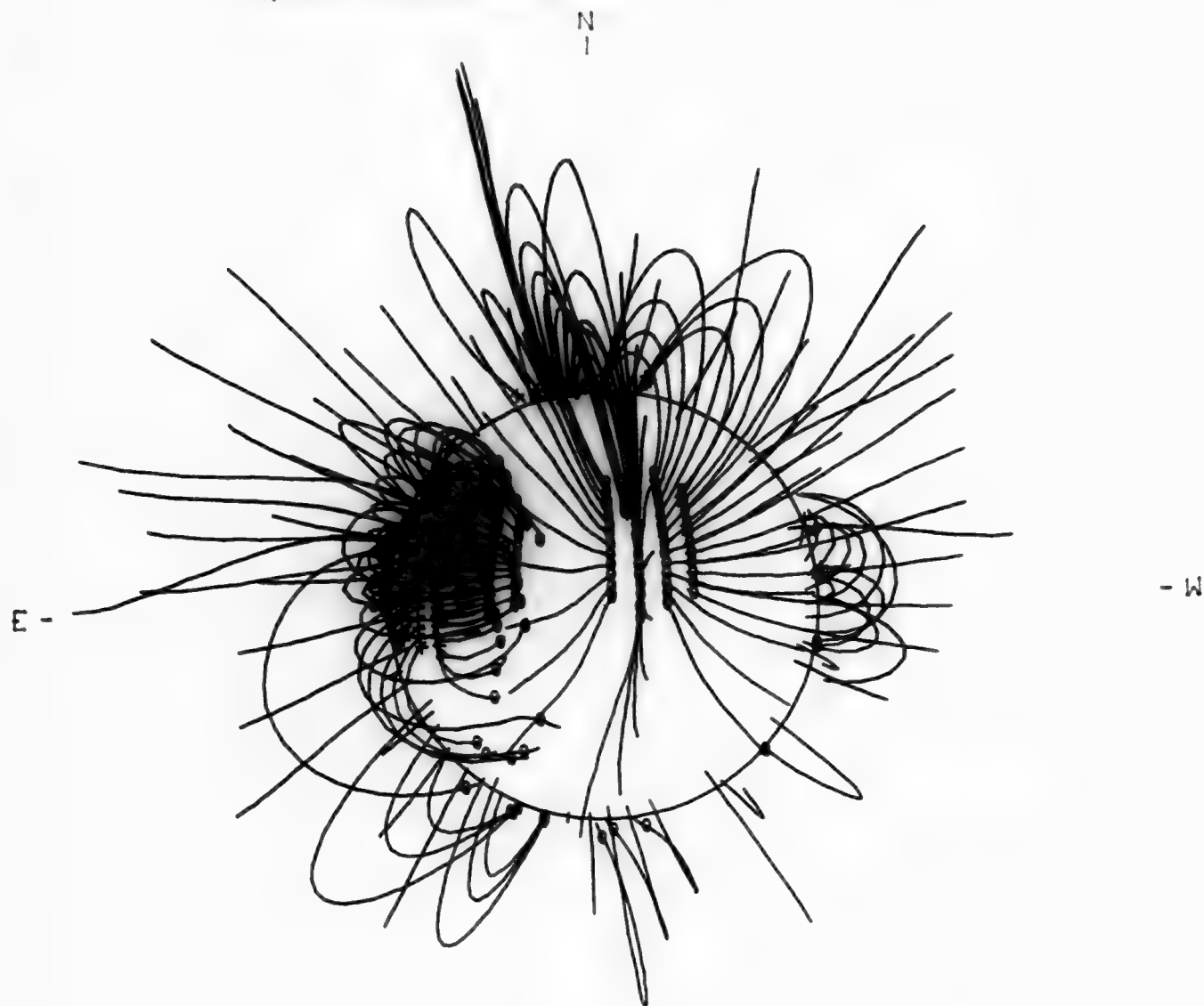
POLES AVERAGED

DATA WINDOW 1470.47

ROT. 1470 LONG. 40°

17.4 AUG 1963

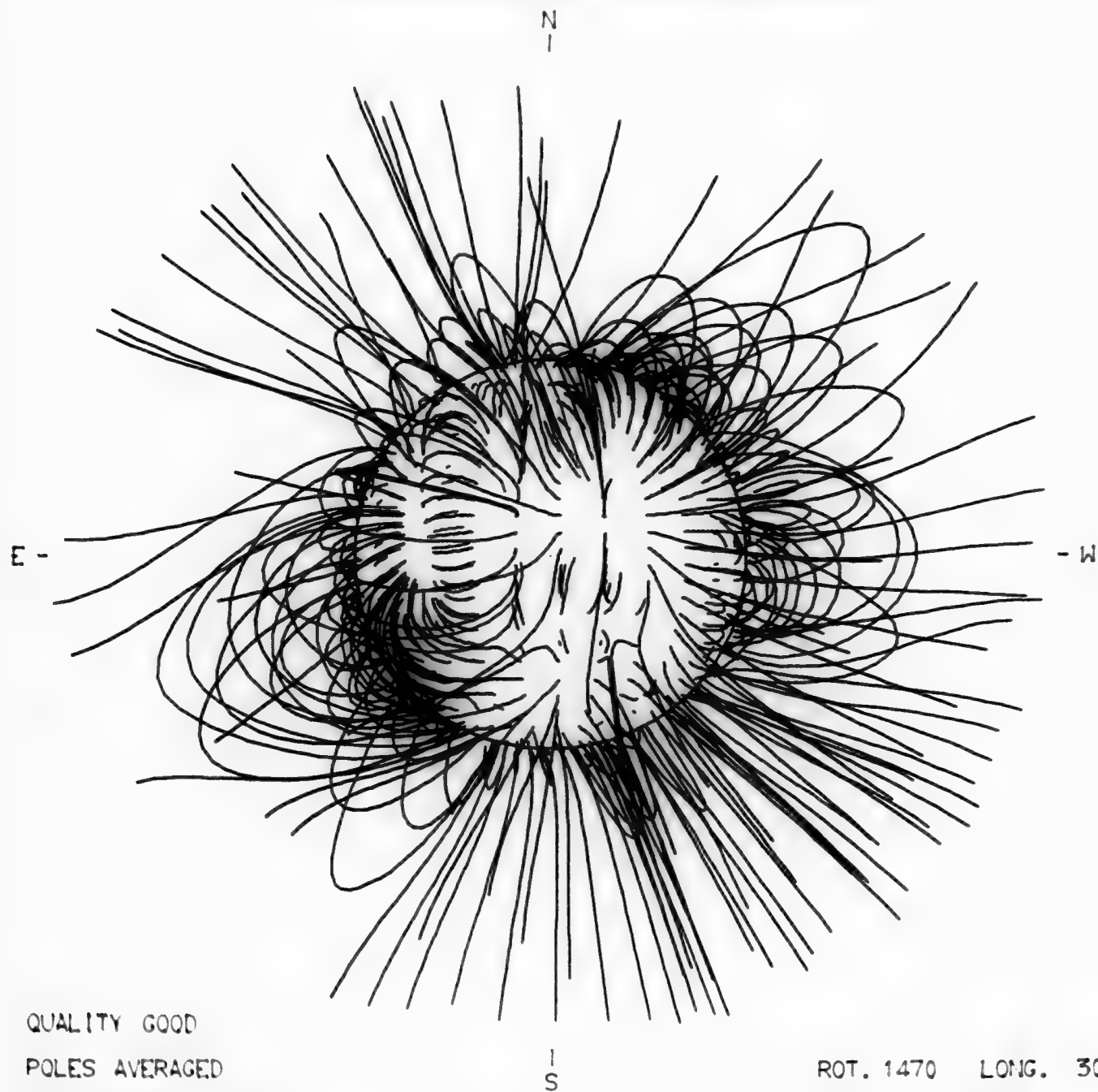
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.47

ROT. 1470 LONG. 40°
17.4 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

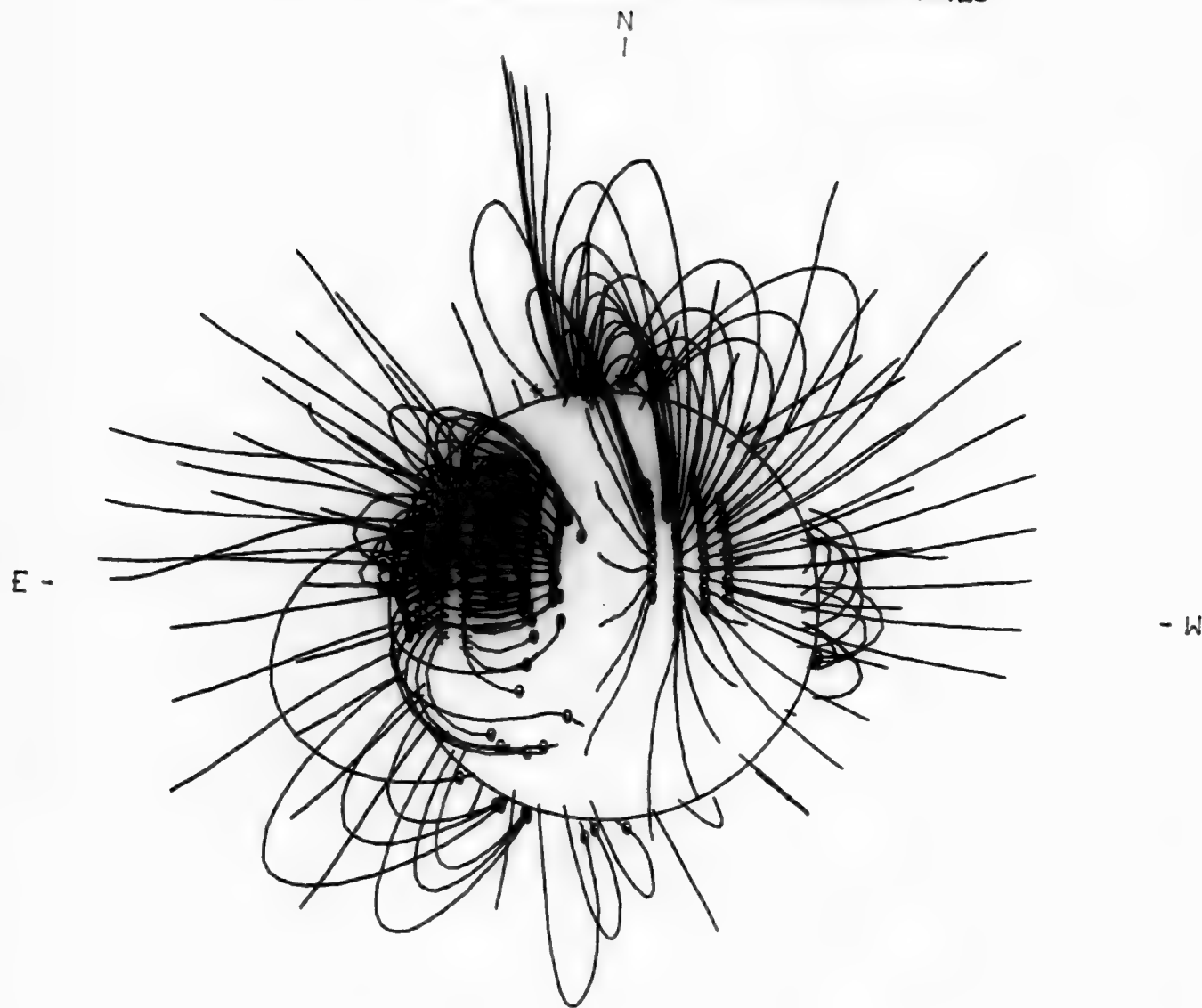
POLES AVERAGED

DATA WINDOW 1470.47

ROT. 1470 LONG. 30°

18.2 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

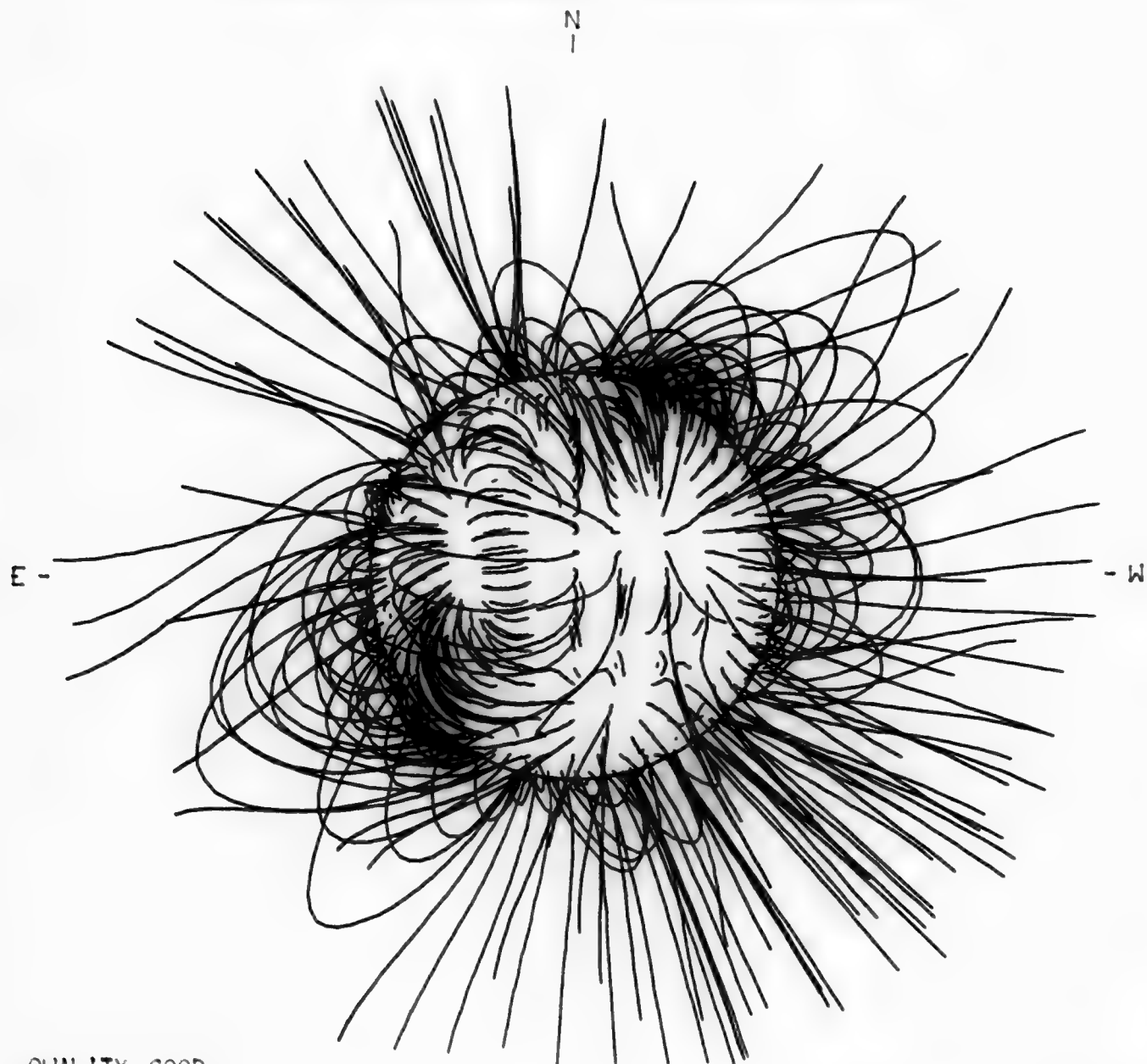
POLES AVERAGED

DATA WINDOW 1470.47

I
S

ROT. 1470 LONG. 30°
18.2 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

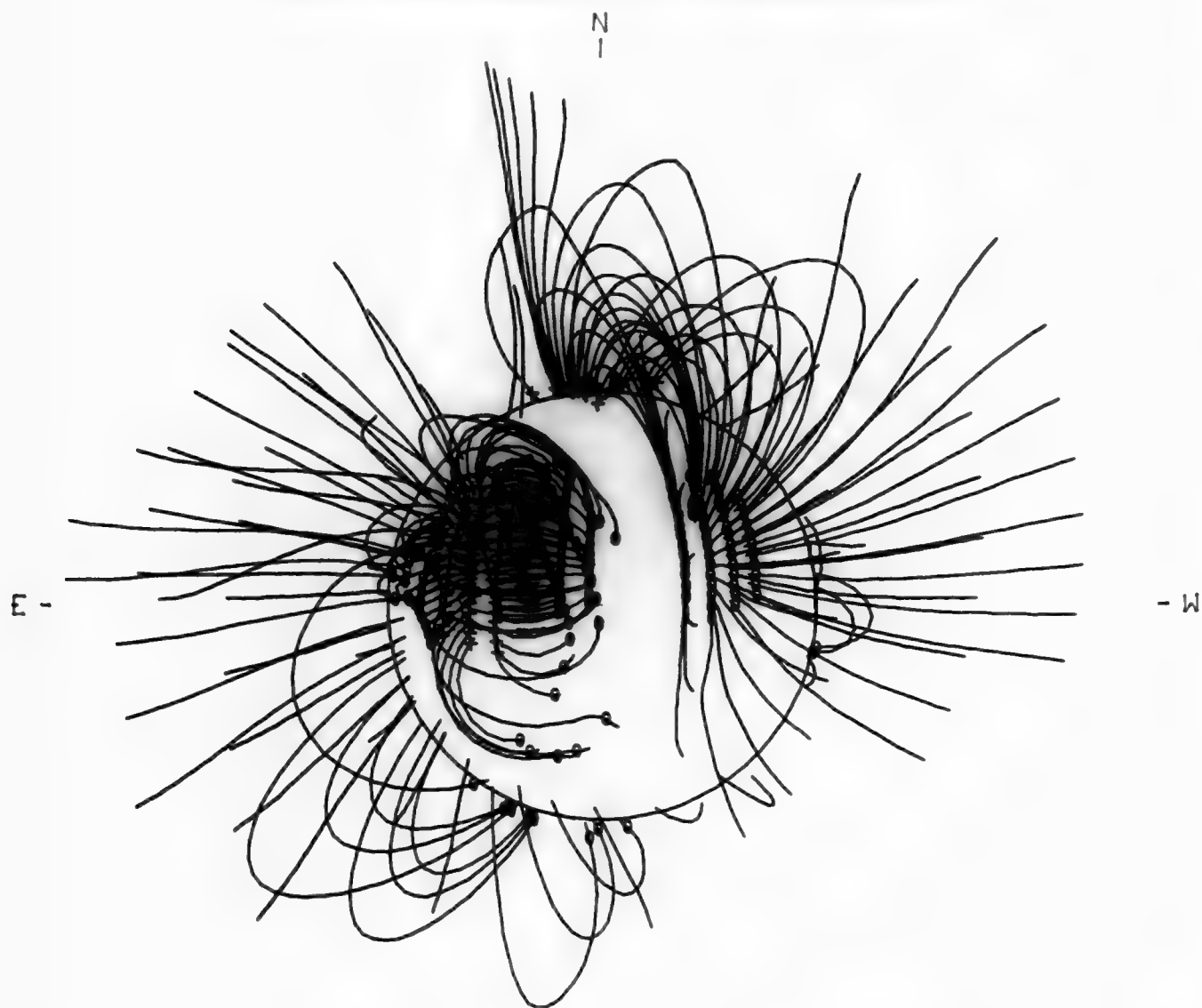
DATA WINDOW 1470.47

I
S

ROT. 1470 LONG. 20°

18.9 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

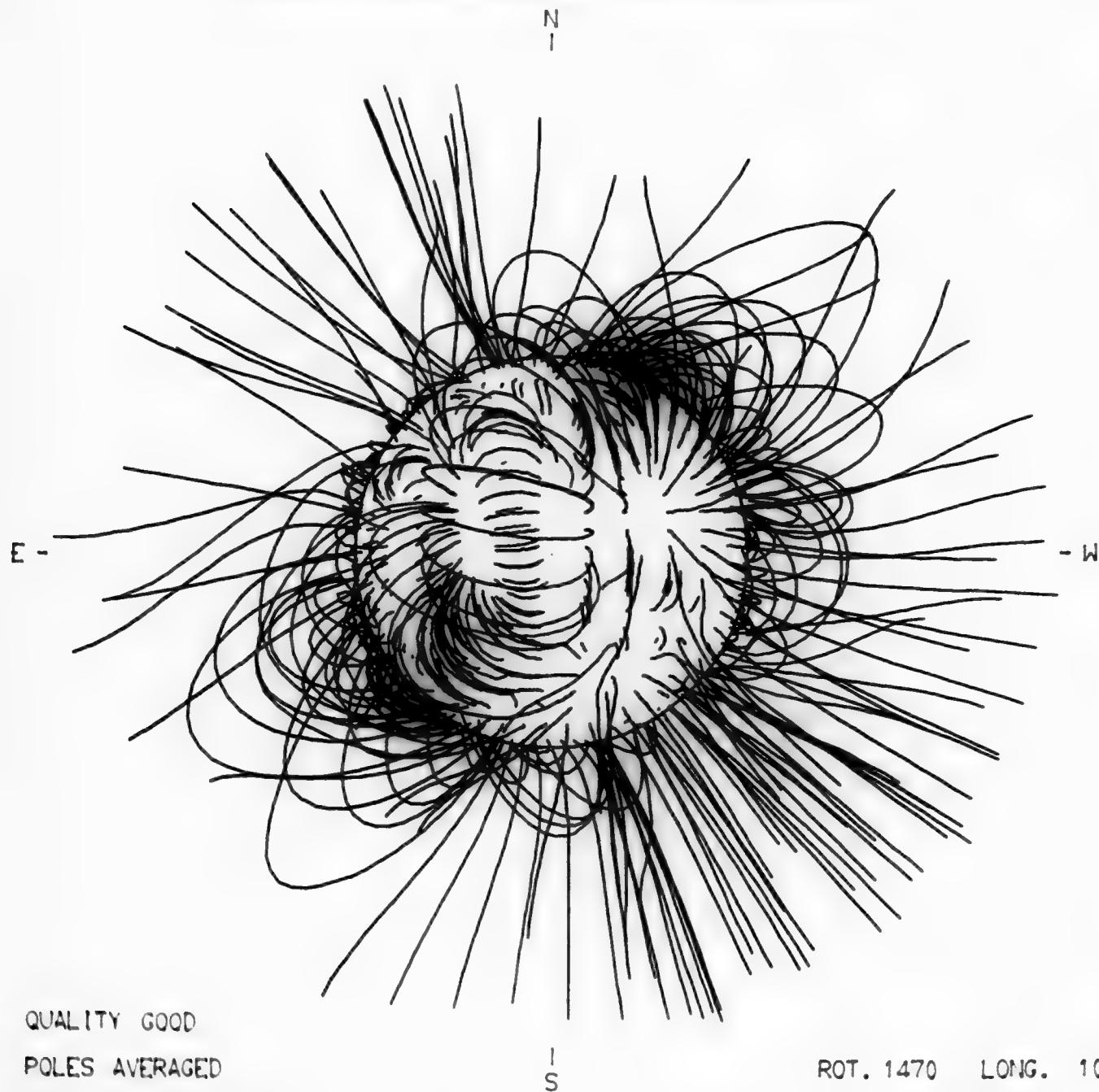
DATA WINDOW 1470.47

I
S

ROT. 1470 LONG. 20°

18.9 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

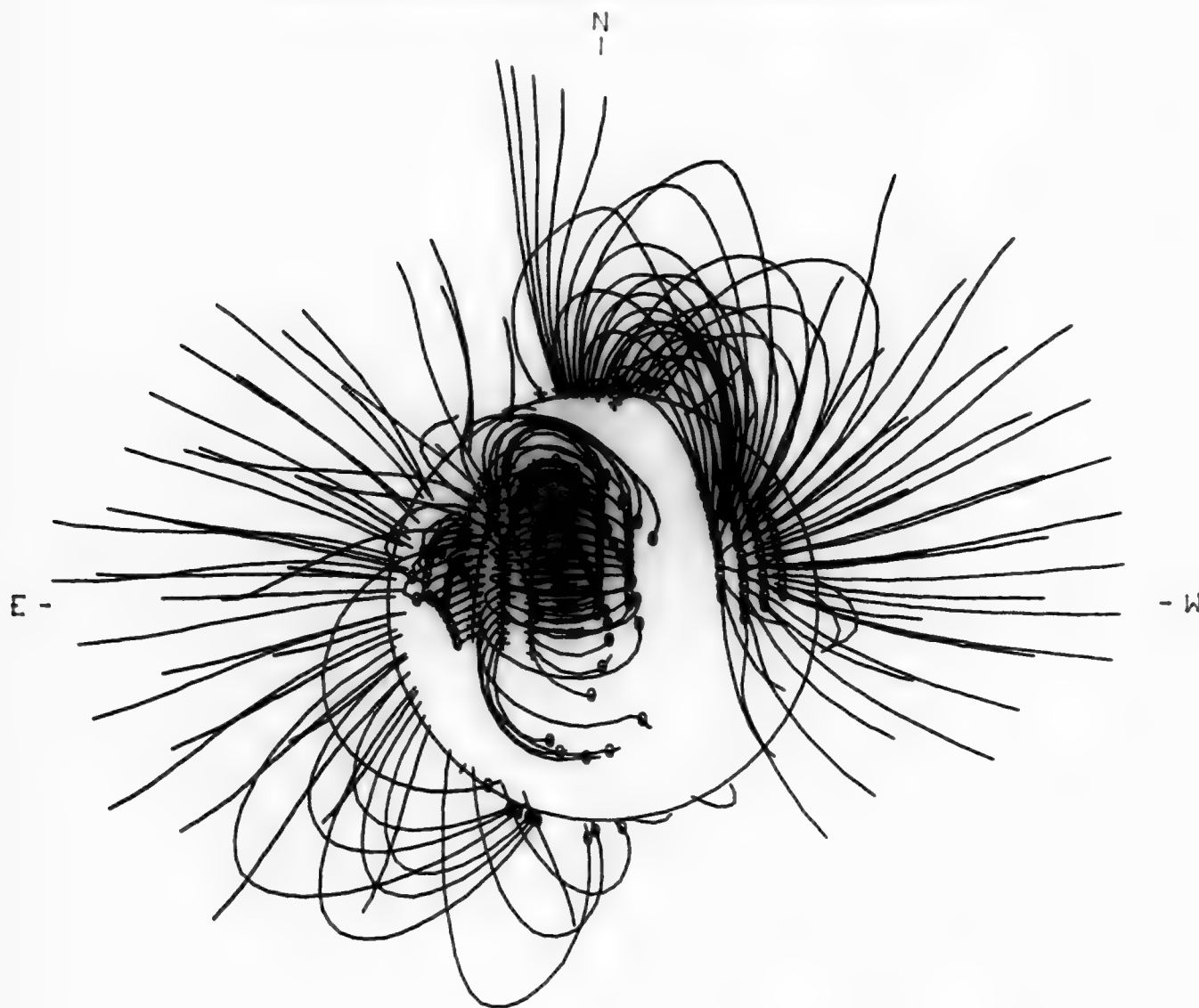
POLES AVERAGED

DATA WINDOW 1470.47

ROT. 1470 LONG. 10°

19.7 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

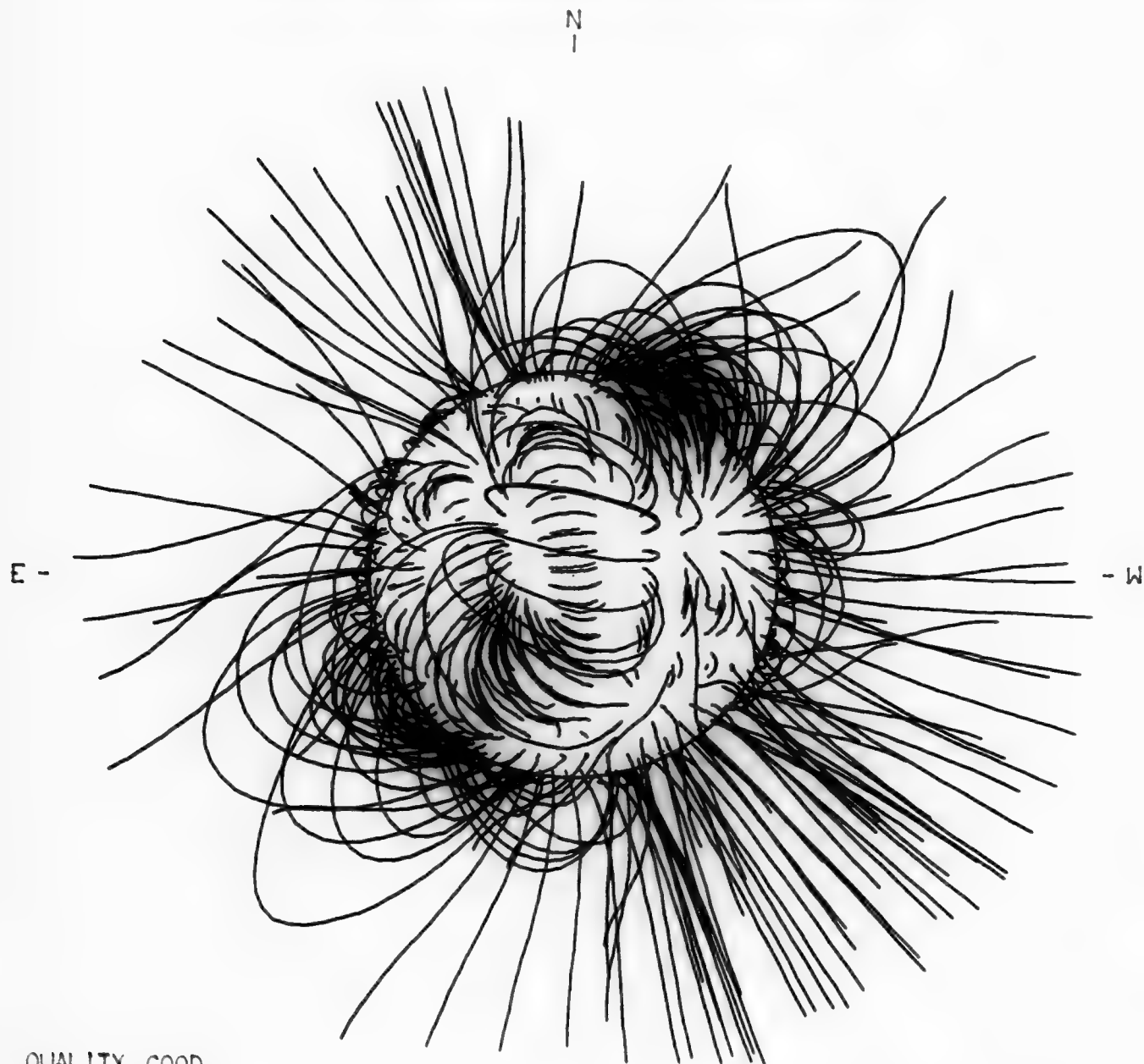
DATA WINDOW 1470.47

I
S

ROT. 1470 LONG. 10°

19.7 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

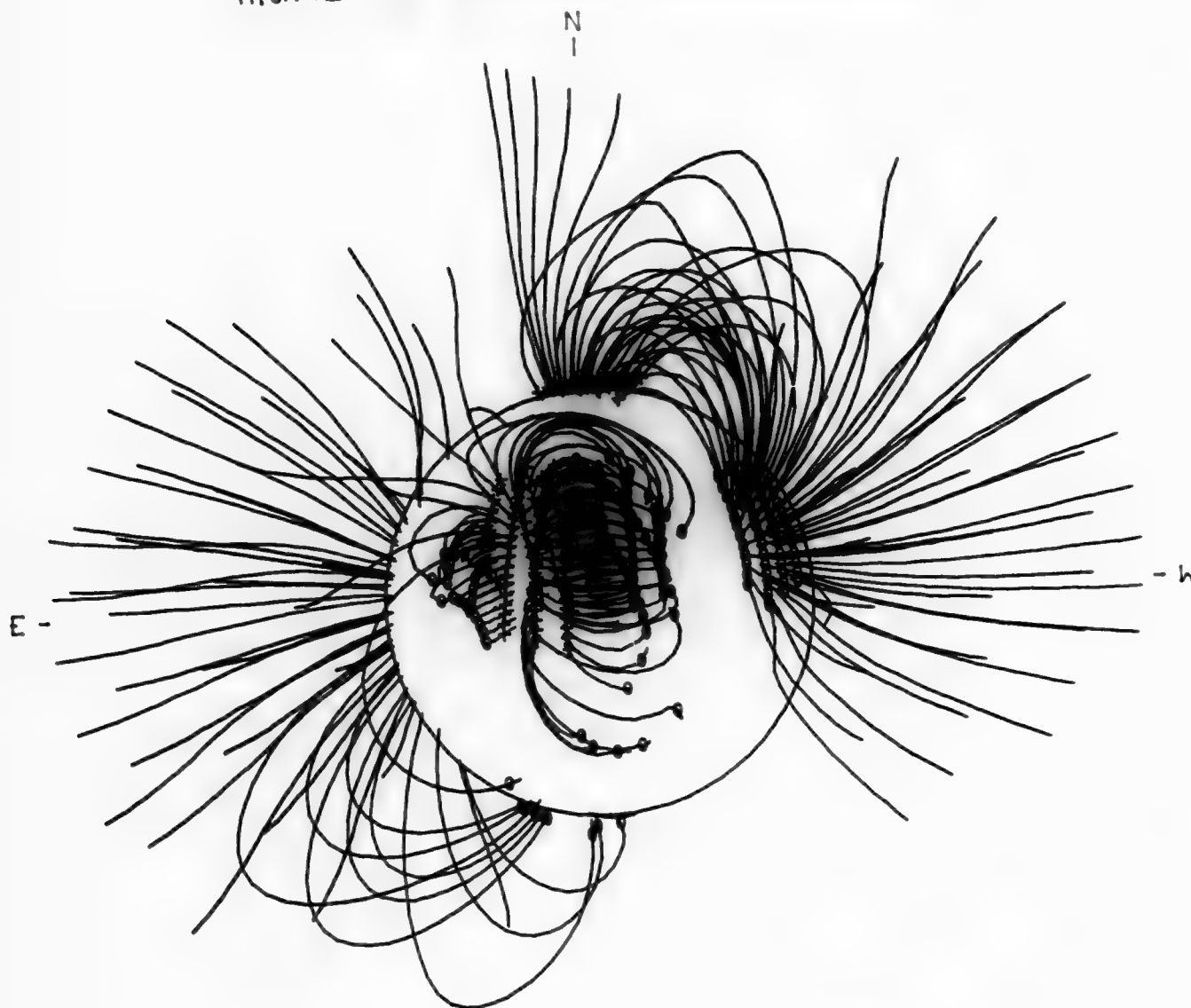
DATA WINDOW 1470.47

I
S

ROT. 1470 LONG. 0°

20.4 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

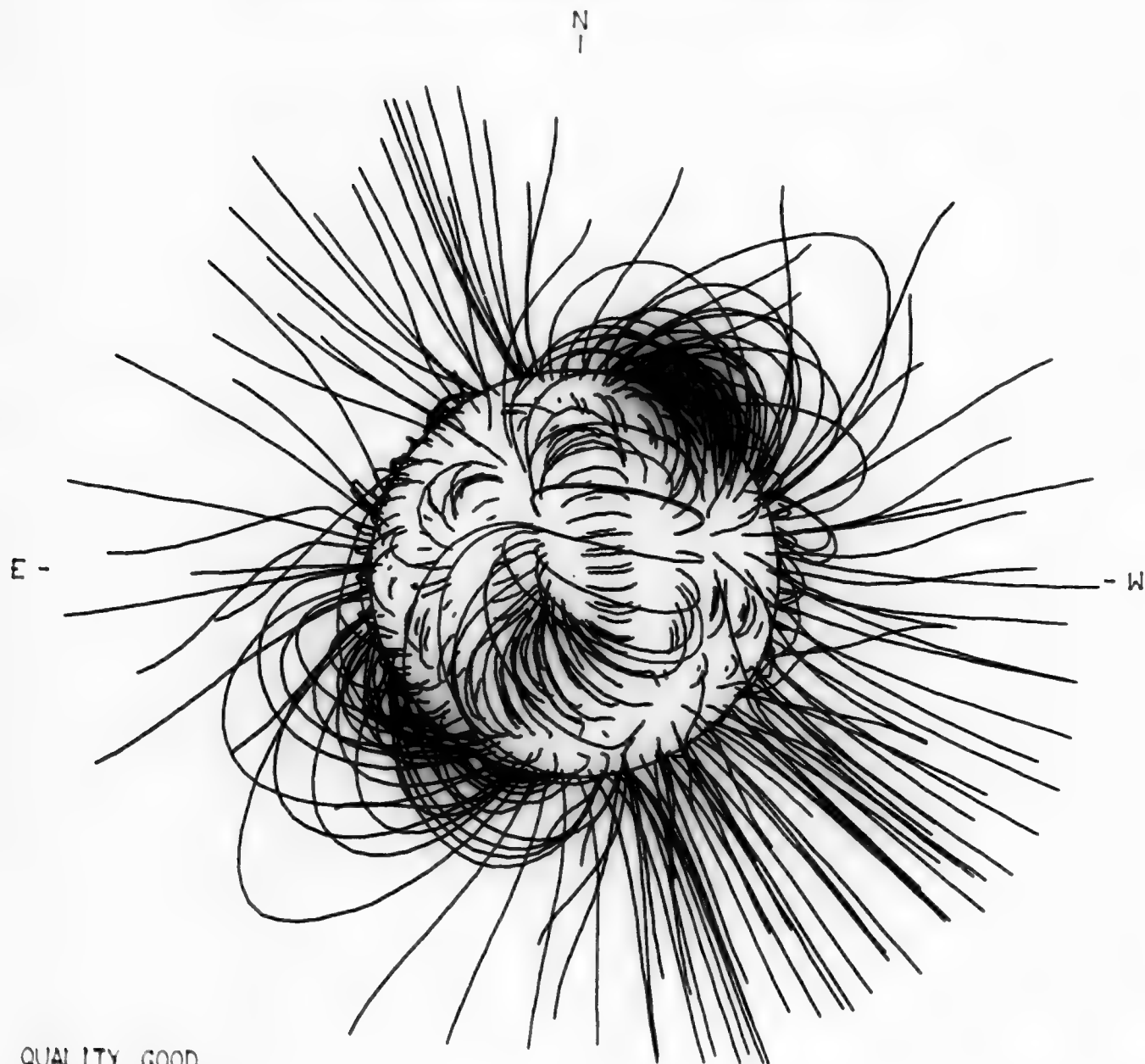


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.47

I
S

ROT. 1470 LONG. 0°
20.4 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

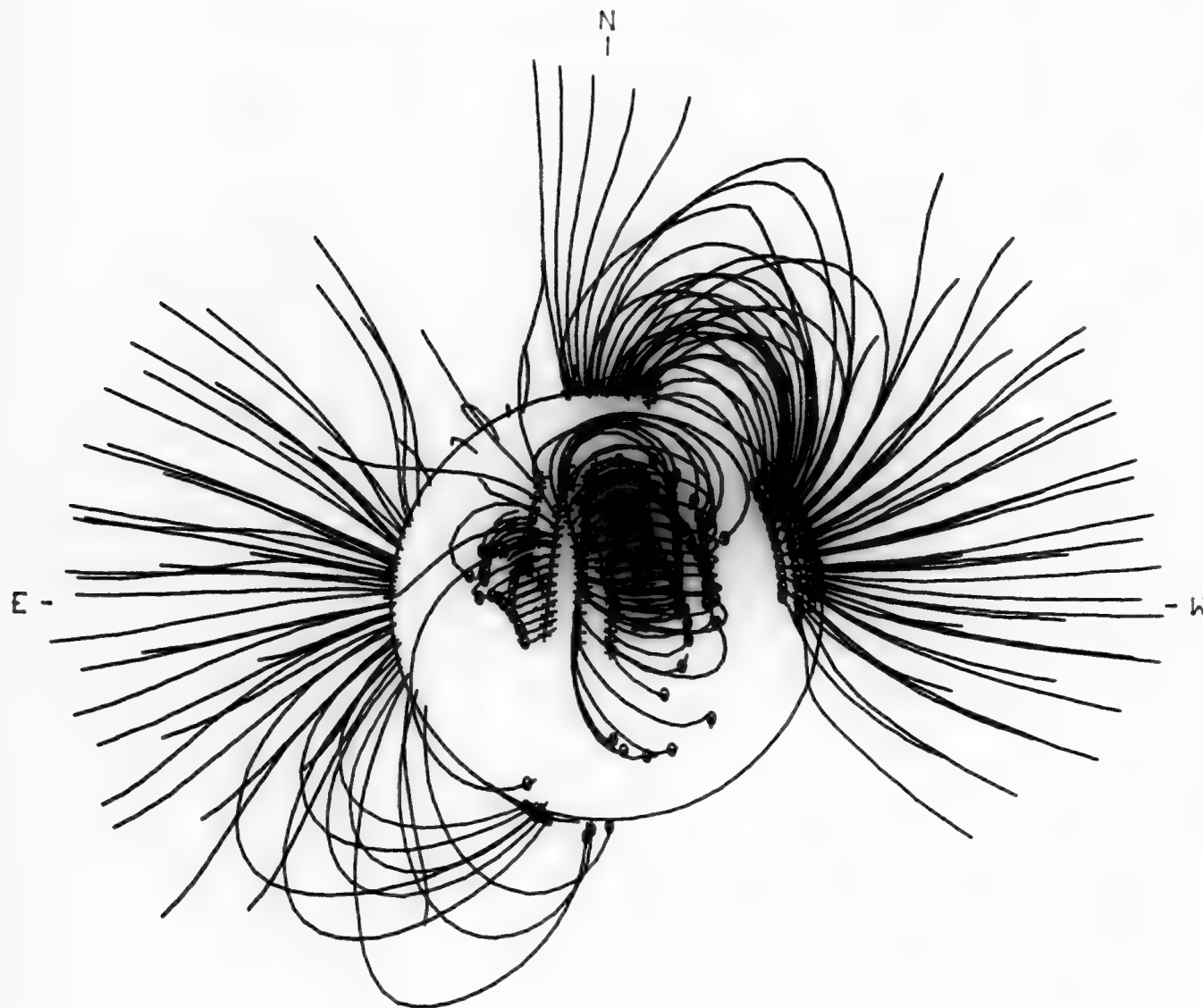
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 350°

21.2 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

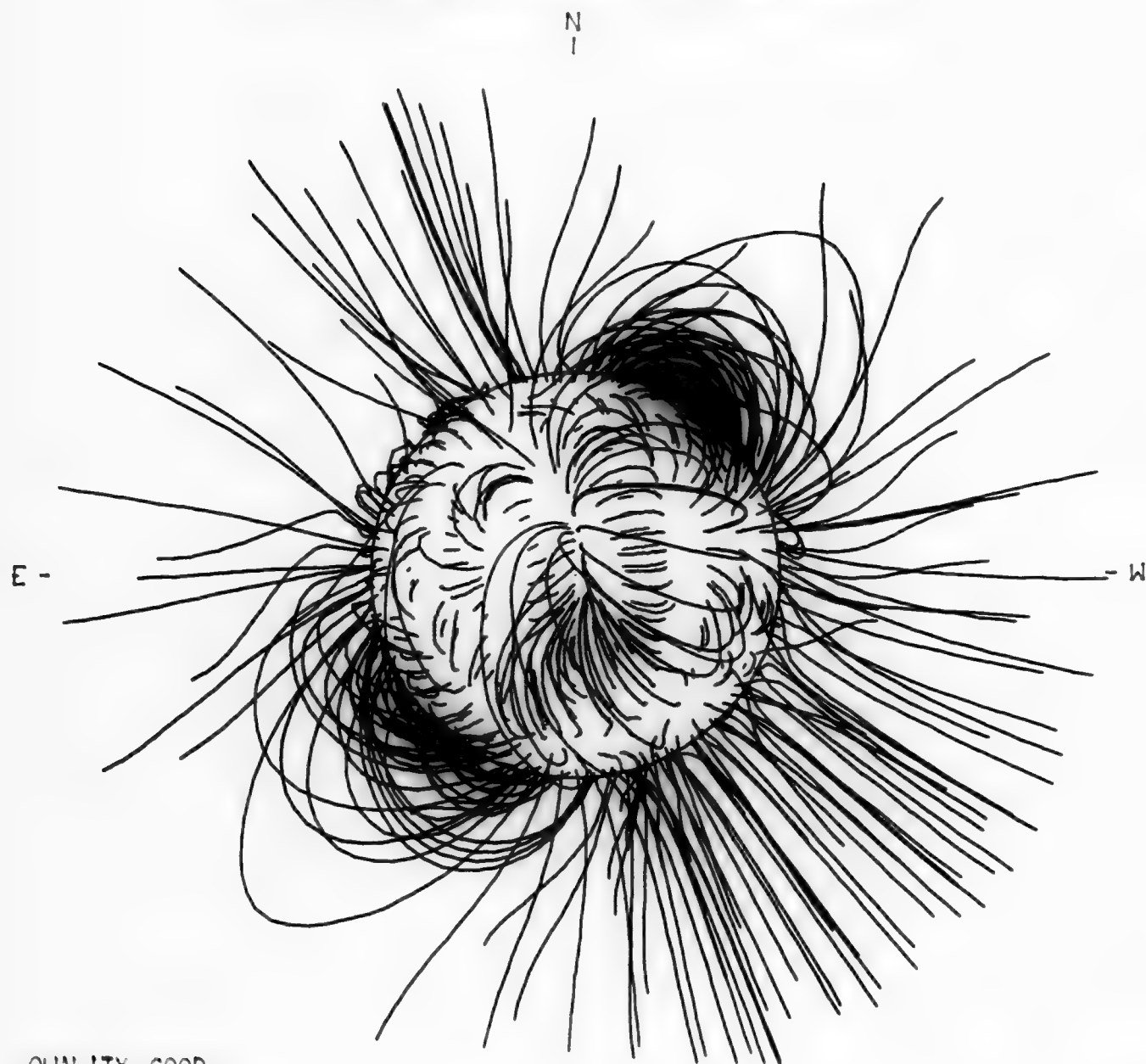
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 350°

21.2 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

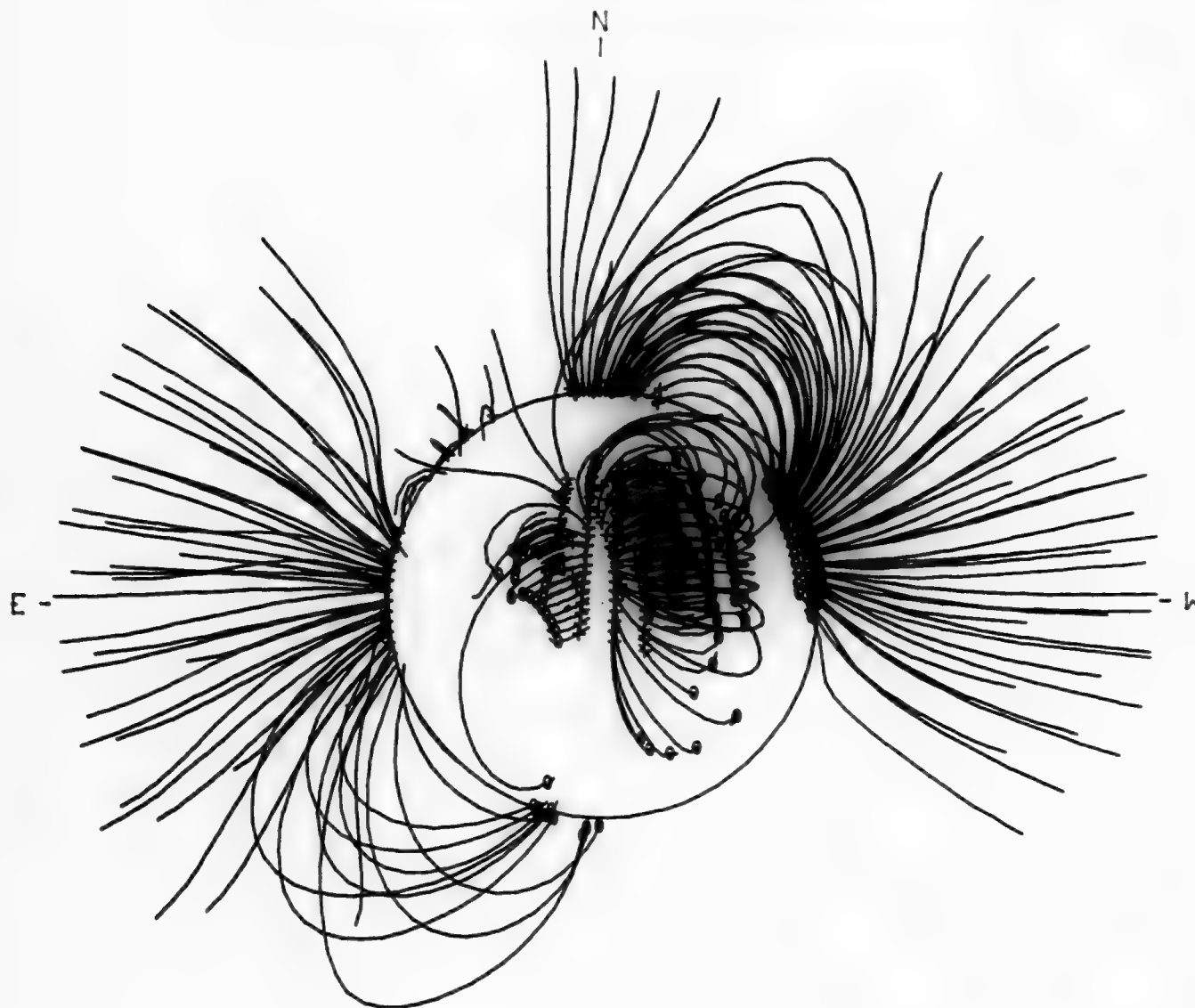
DATA WINDOW 1470.47

N
I
S

ROT. 1471 LONG. 340°

21.9 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

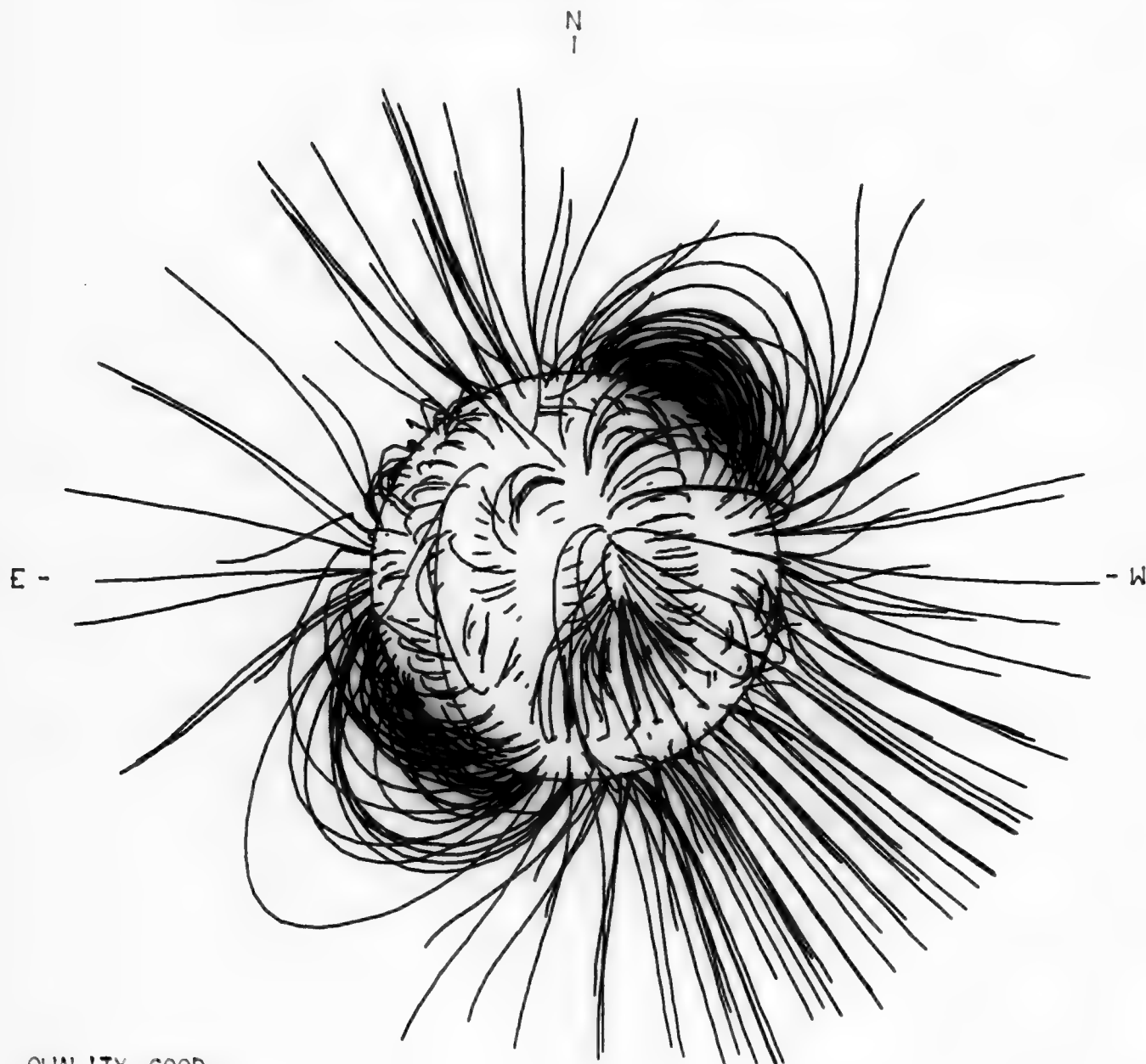
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 340°

21.9 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

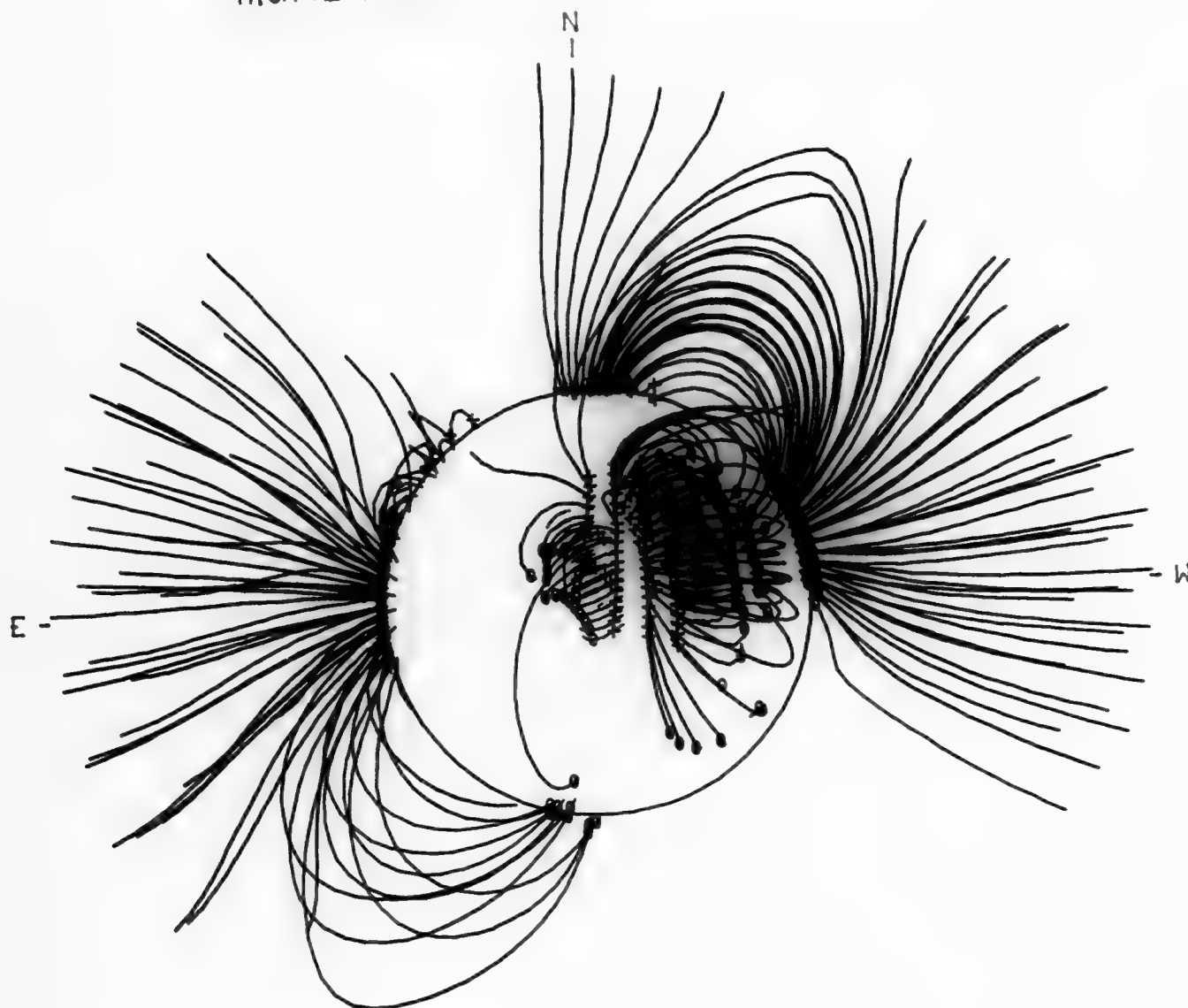
DATA WINDOW 1470.47

N
|
S

ROT. 1471 LONG. 330°

22.7 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

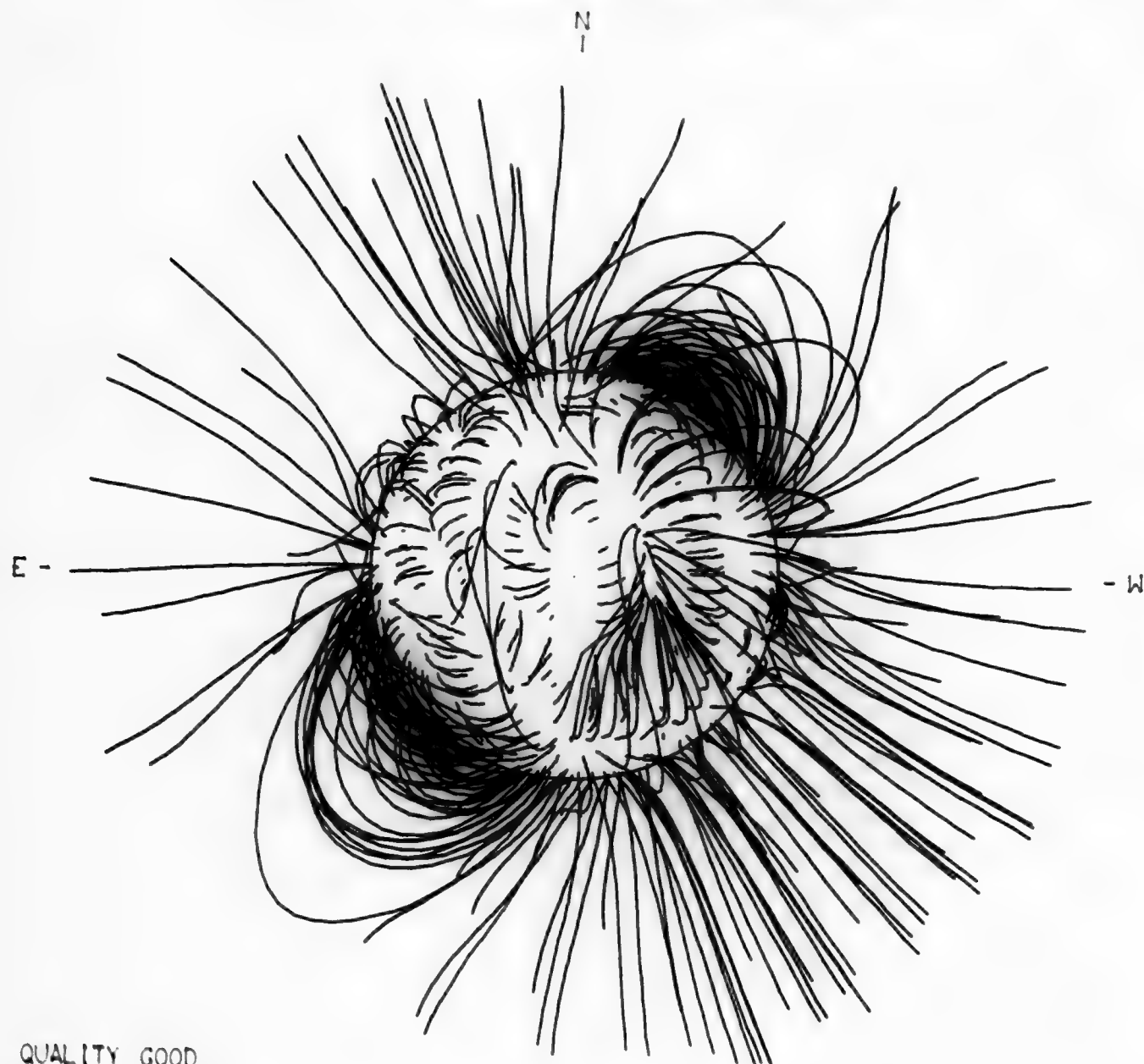


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 330°
22.7 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

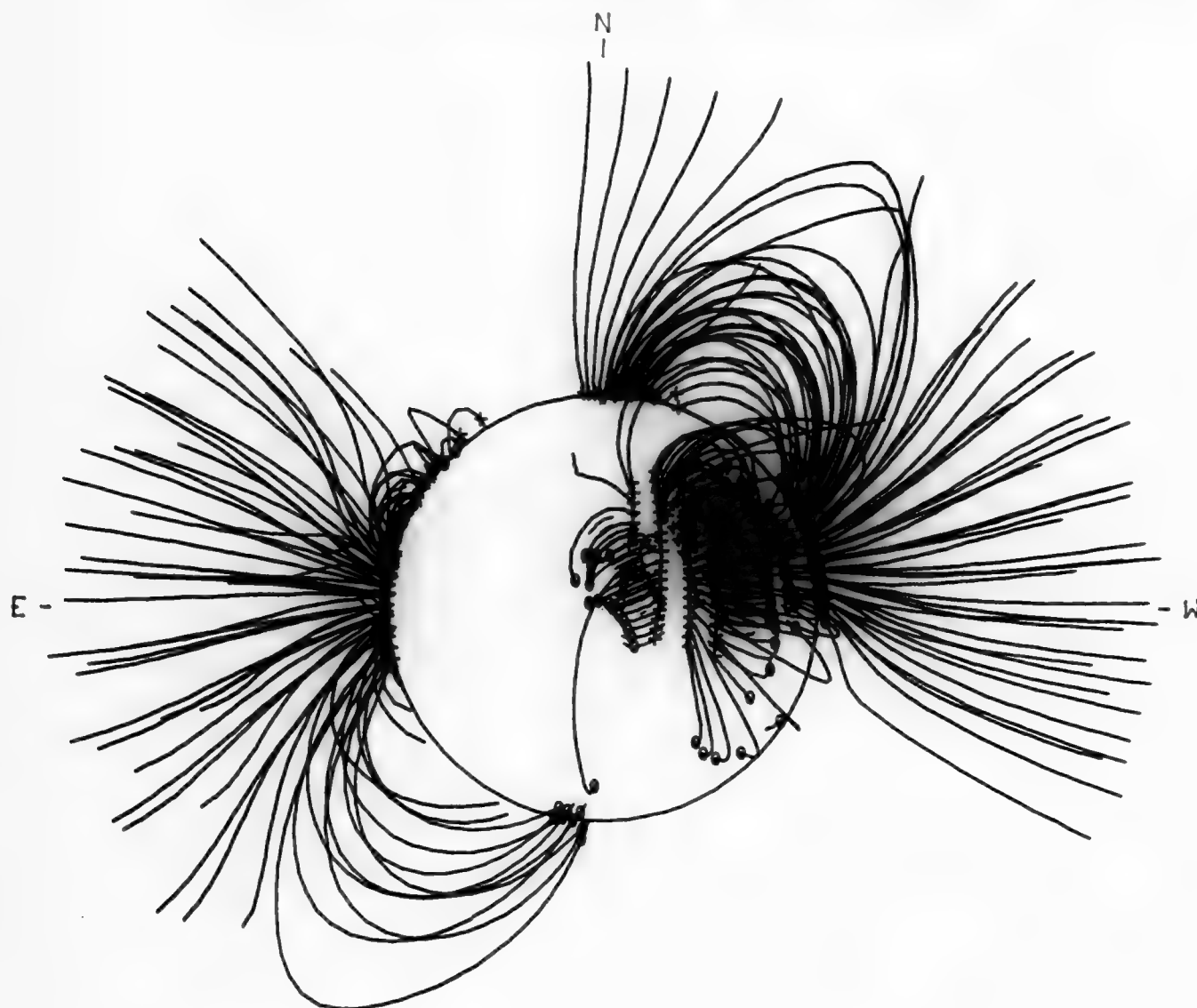
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 320°

23.5 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

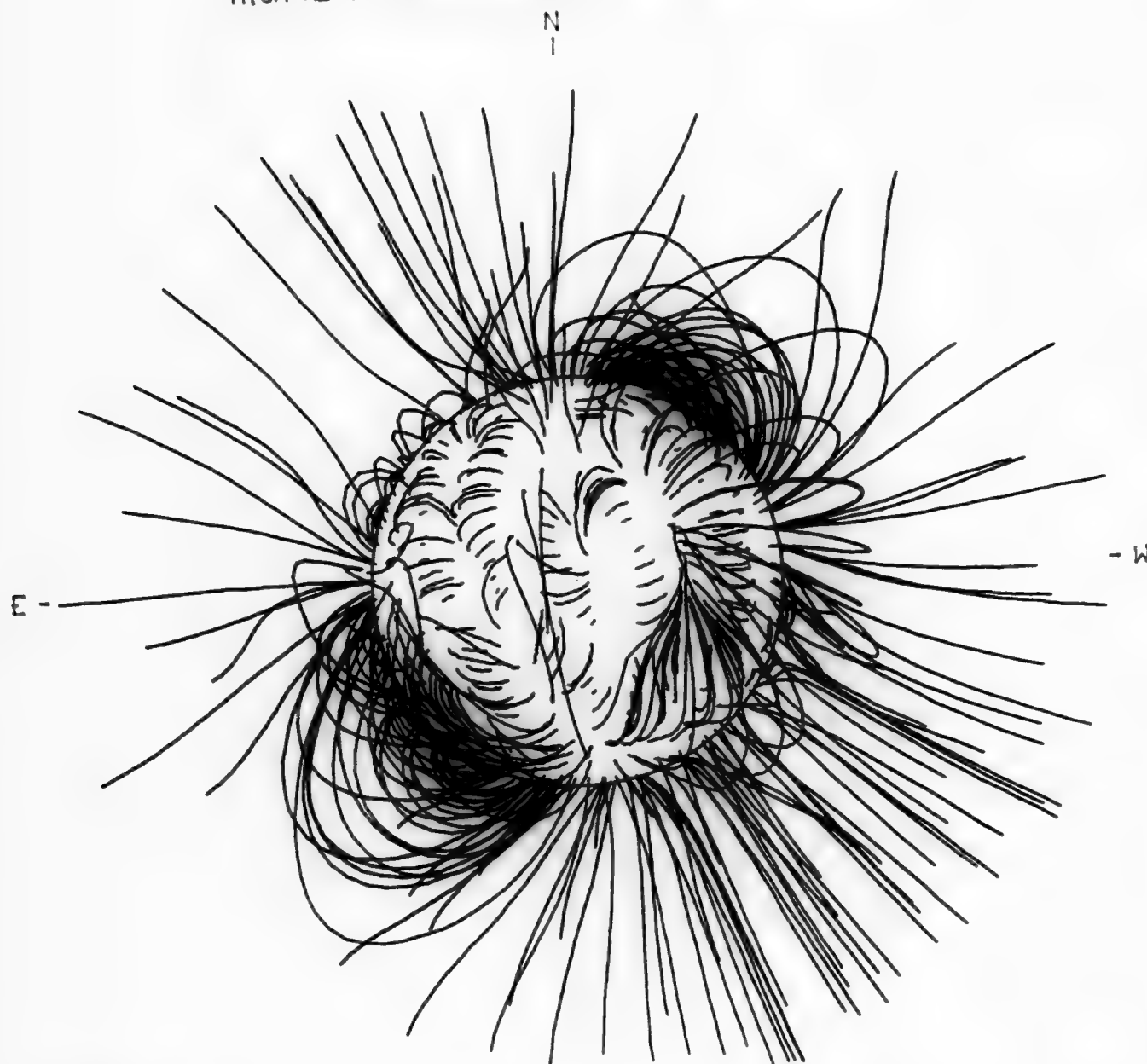
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 320°

23.5 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

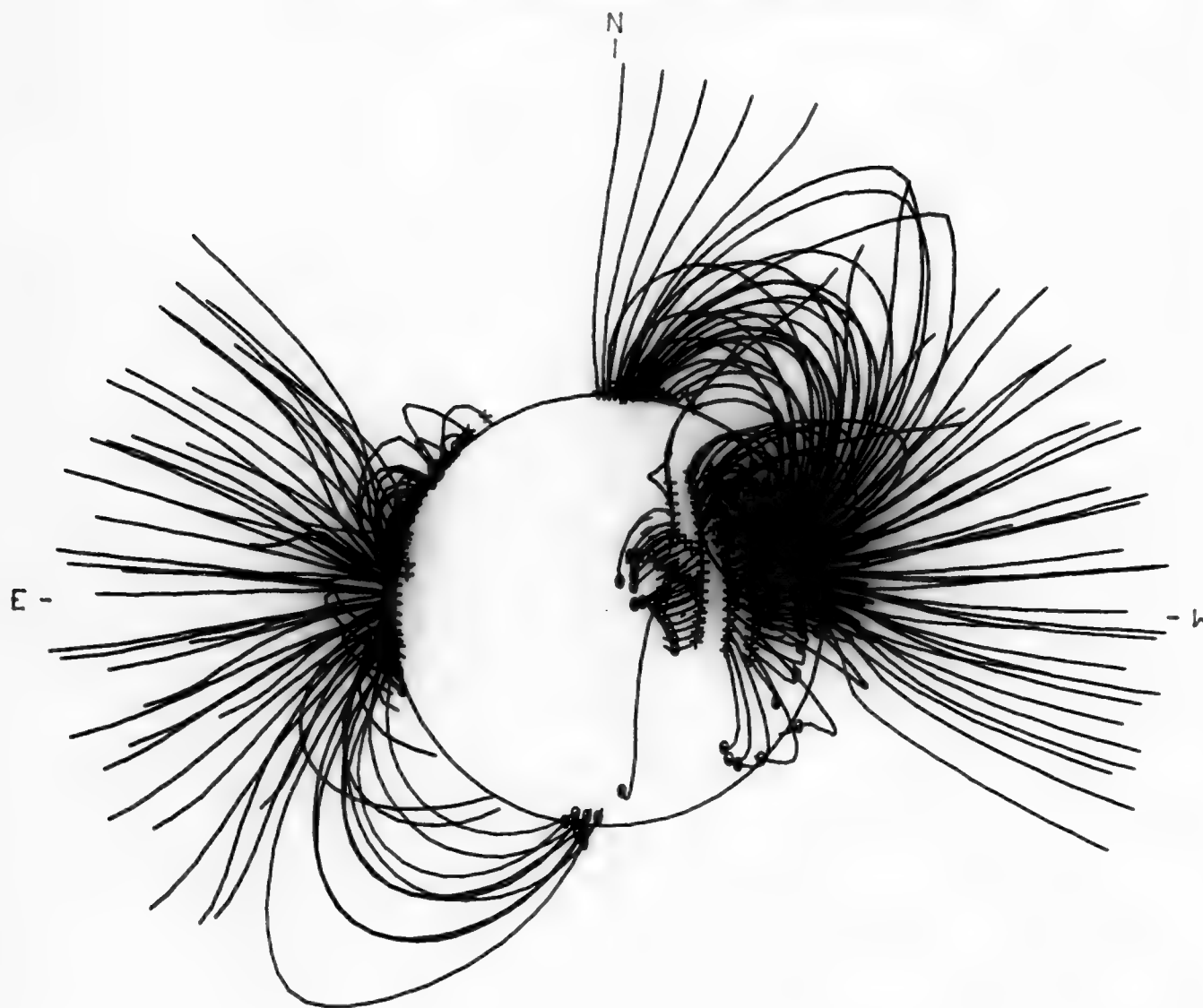


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 310°
24.2 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

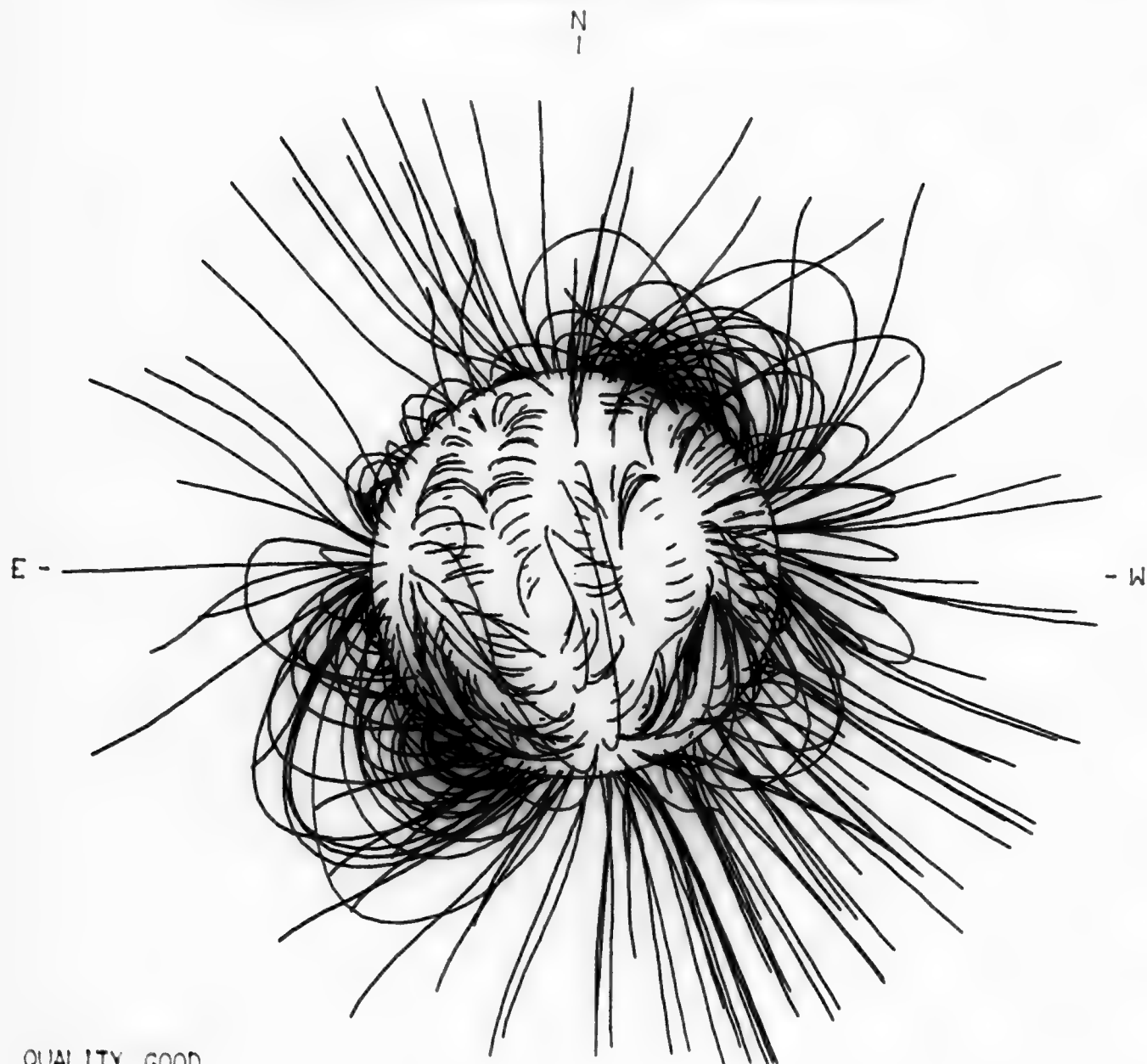
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 310°

24.2 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

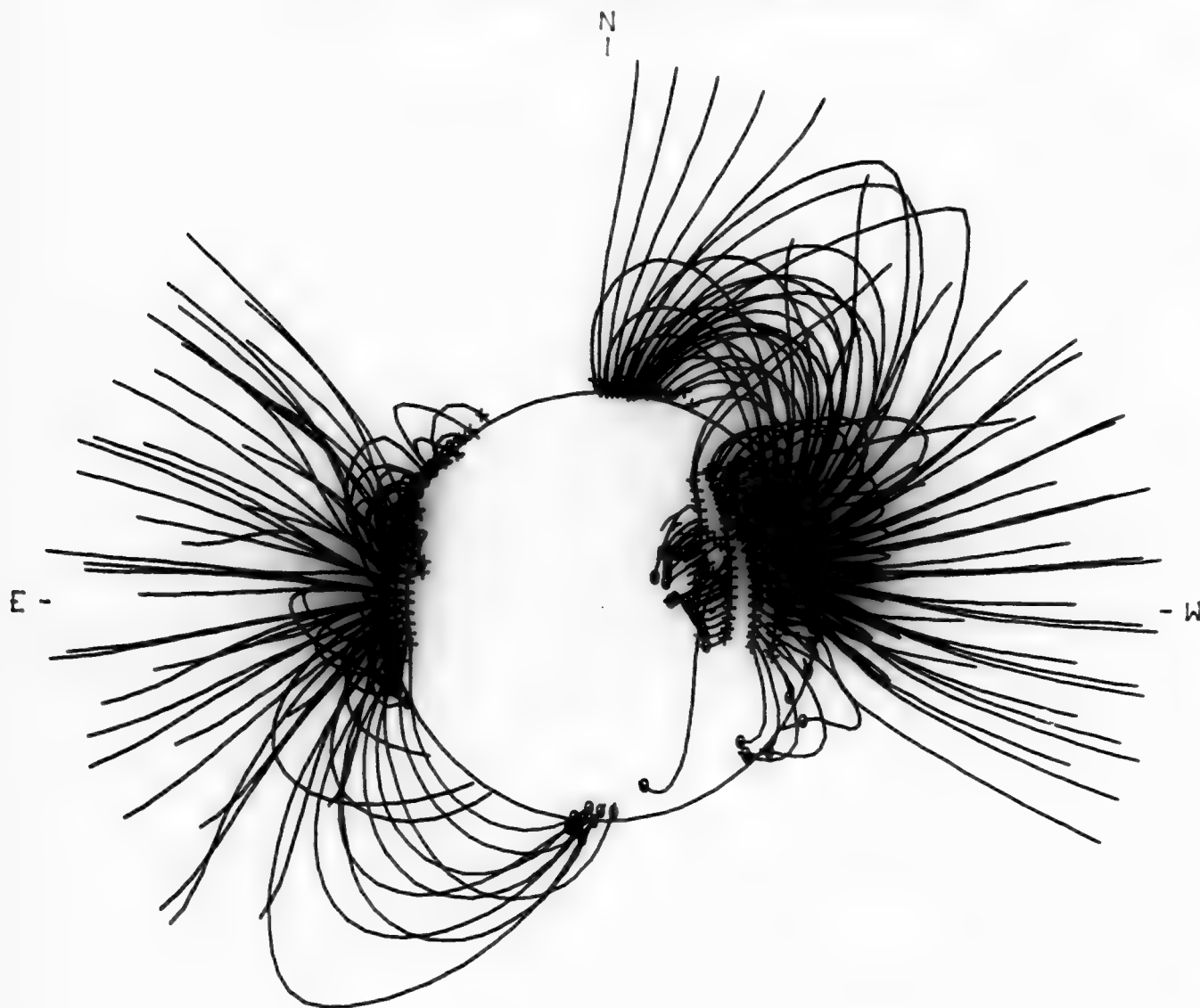
DATA WINDOW 1470.47

1
S

ROT. 1471 LONG. 300°

25.0 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

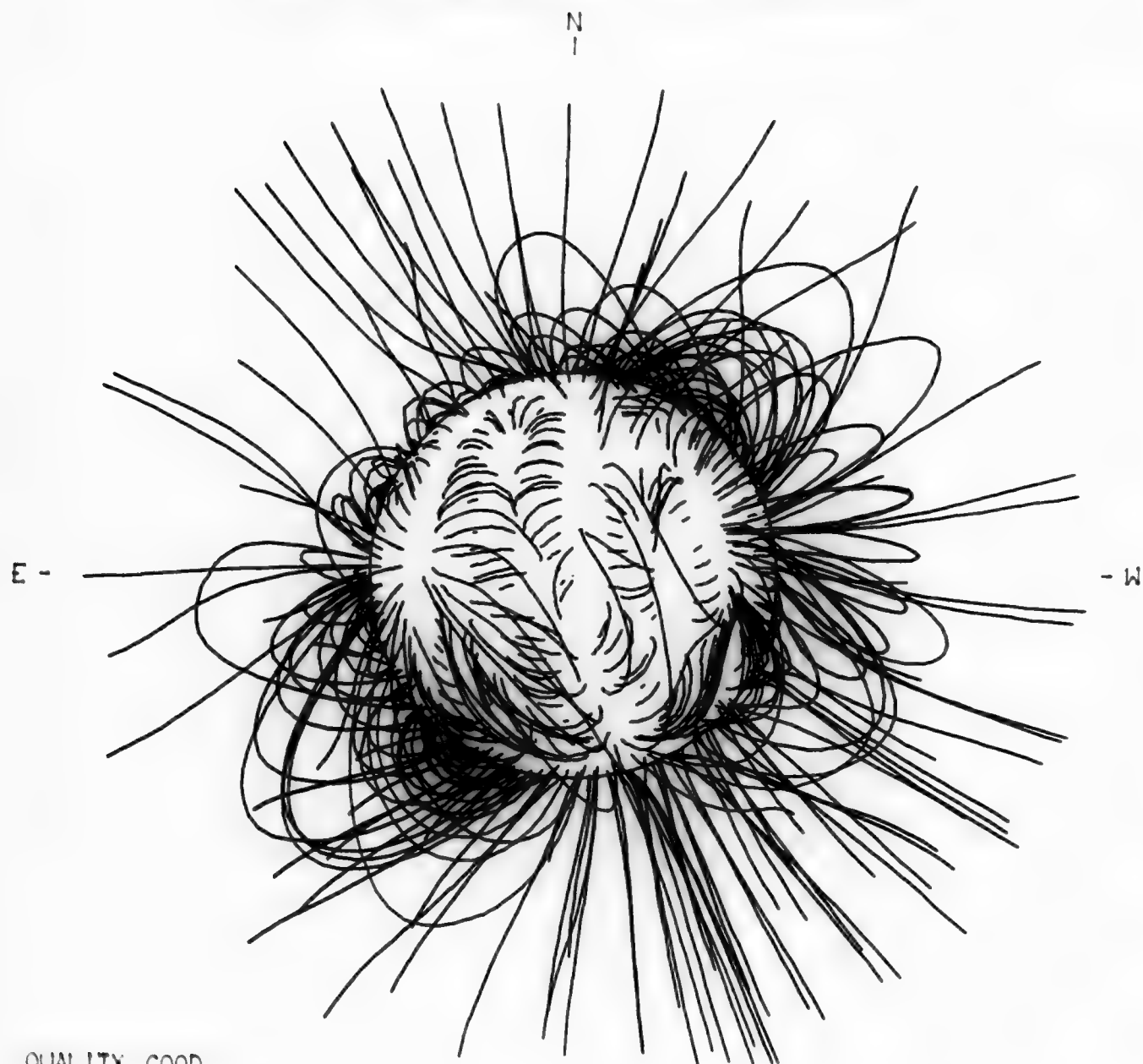
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 300°

25.0 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

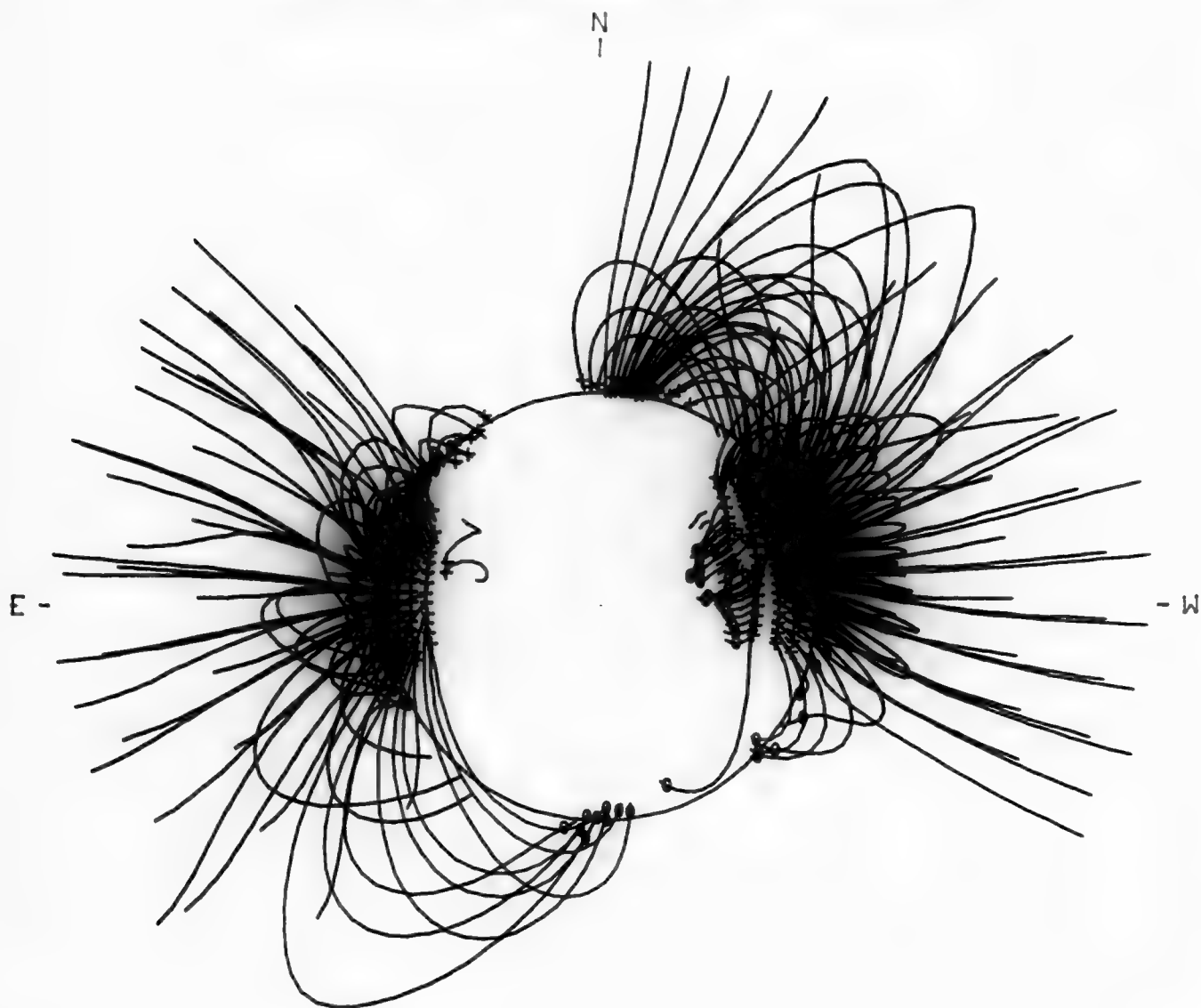
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 290°

25.7 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

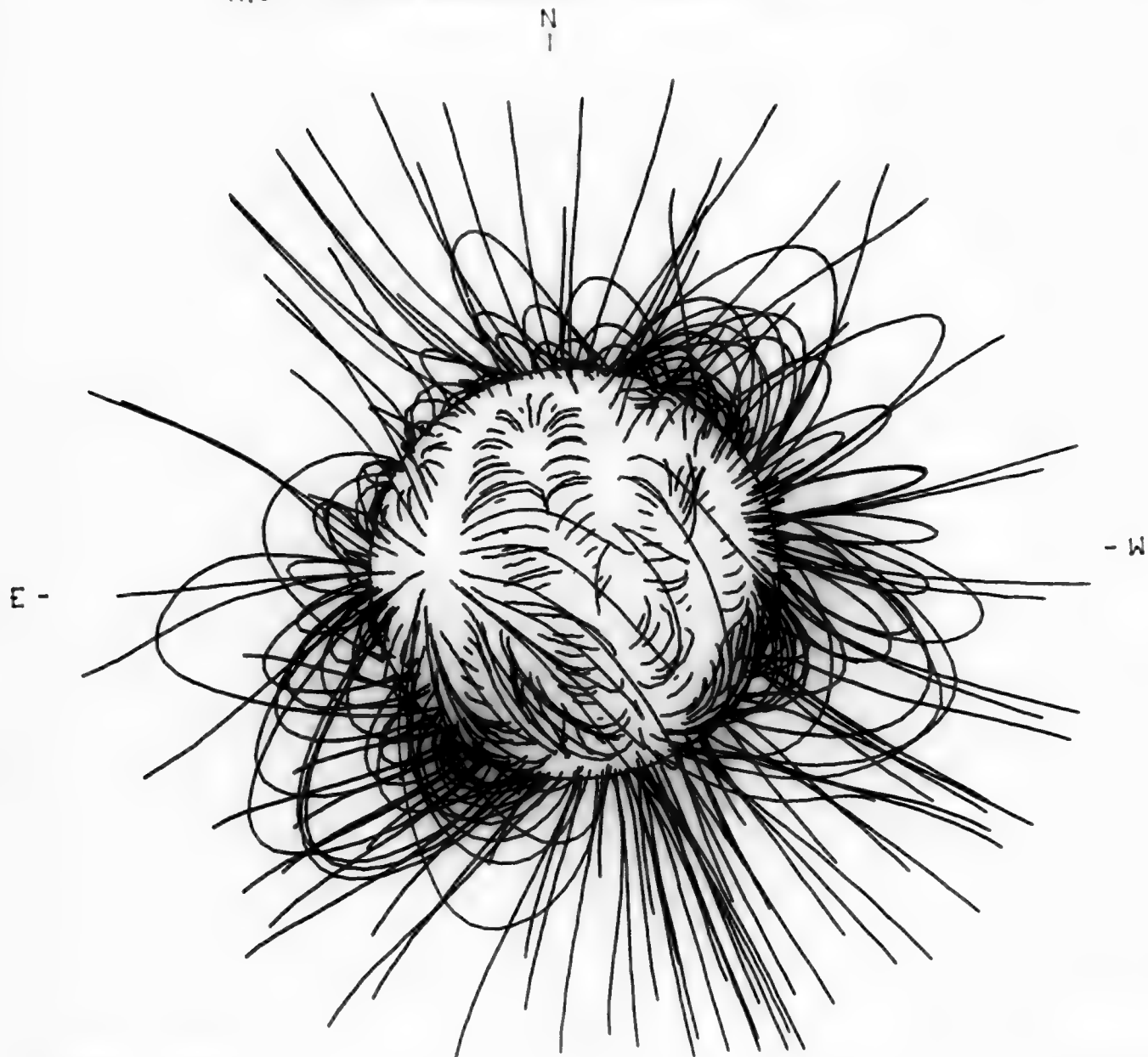
DATA WINDOW 1470.47

1
S

ROT. 1471 LONG. 290°

25.7 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

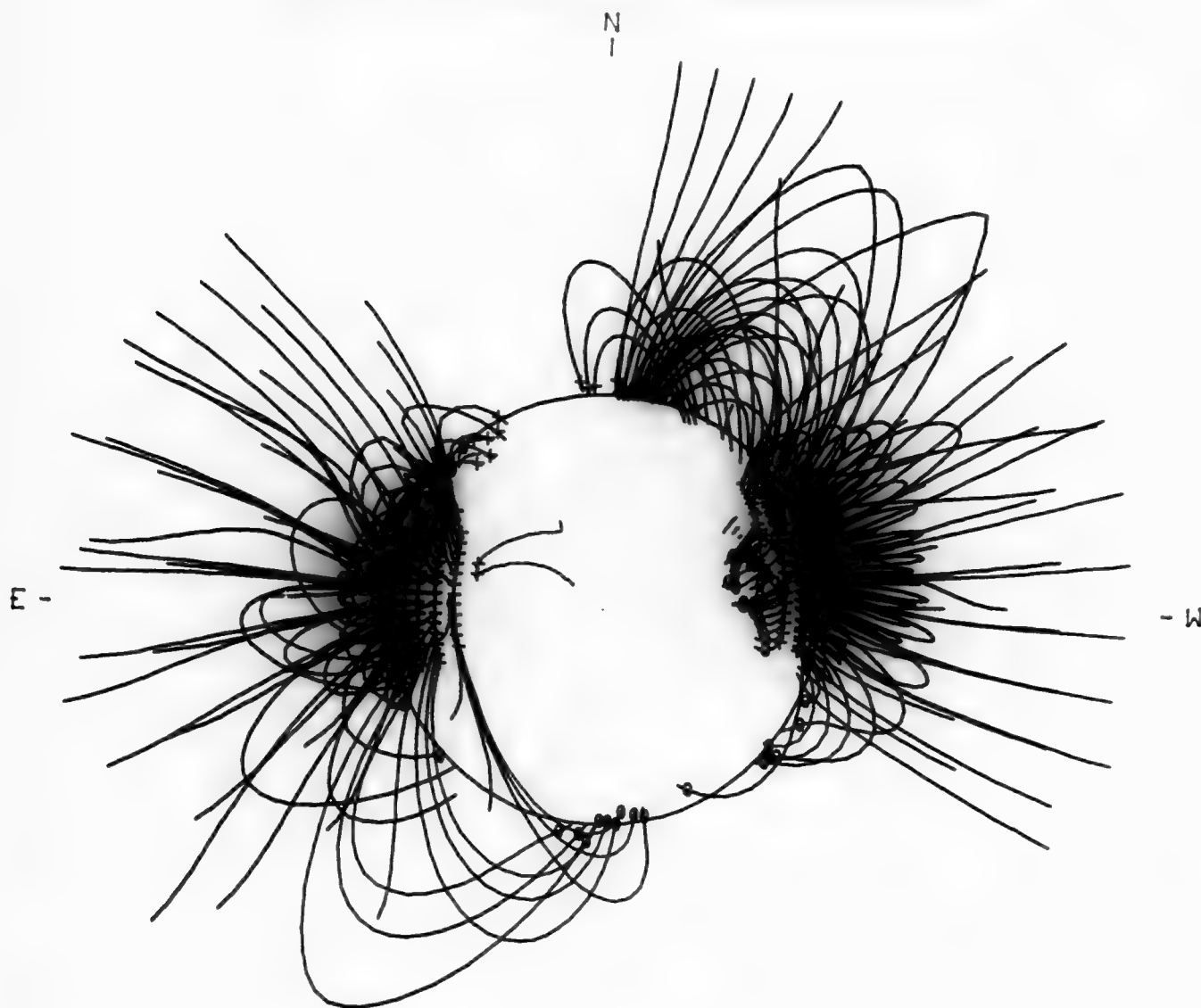


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 280°
26.5 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

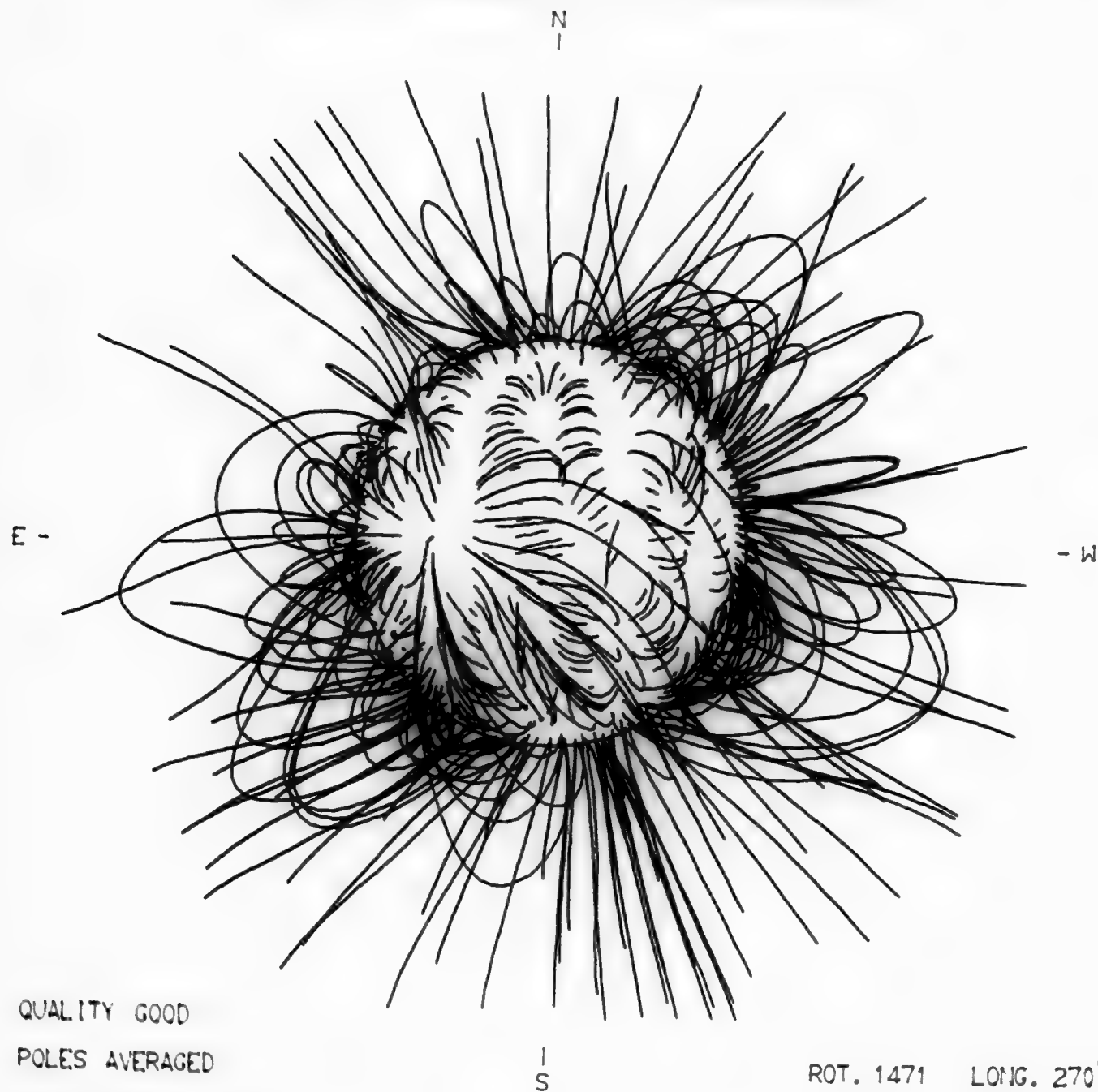
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 280°

26.5 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

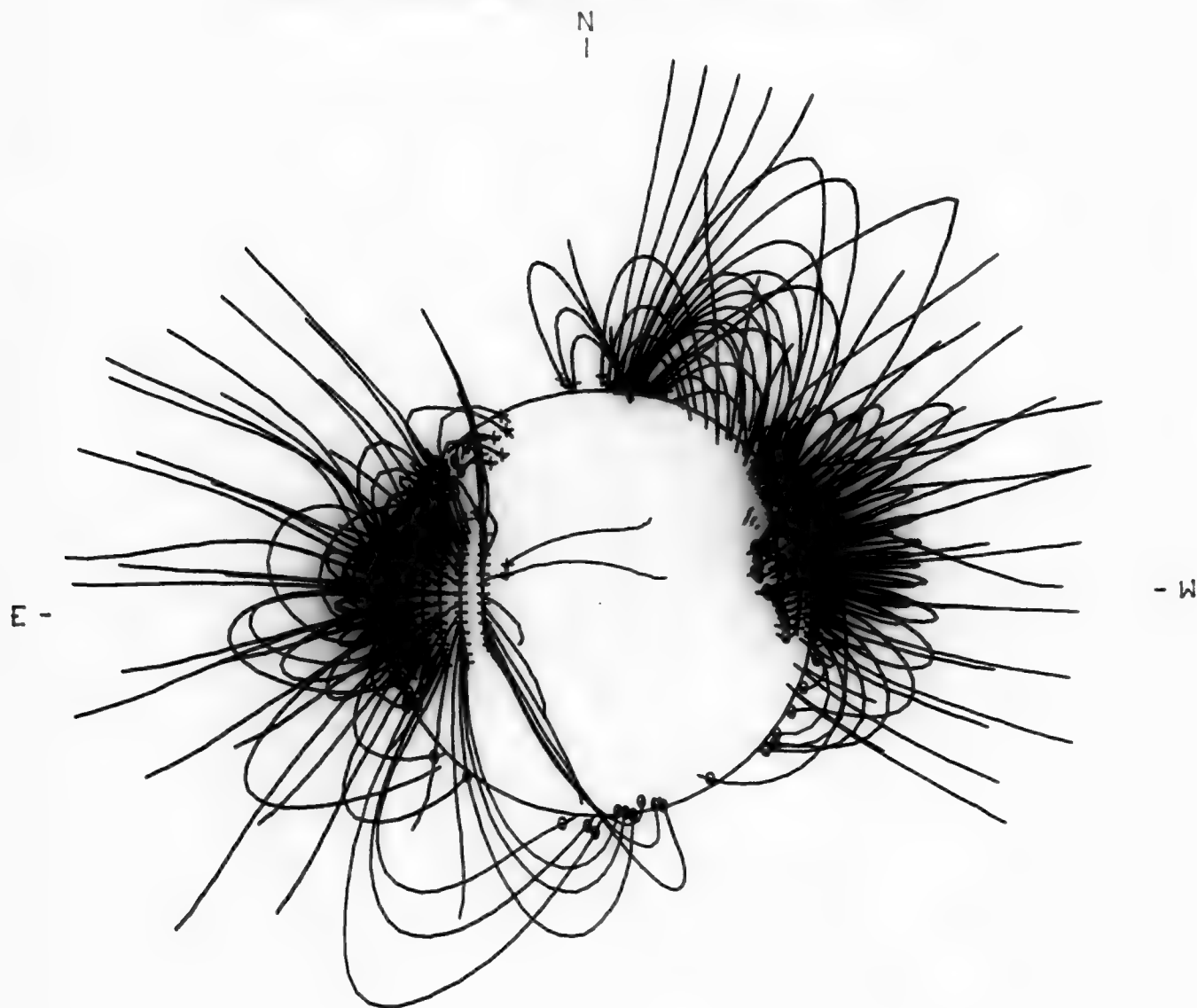
POLES AVERAGED

DATA WINDOW 1470.47

ROT. 1471 LONG. 270°

27.2 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

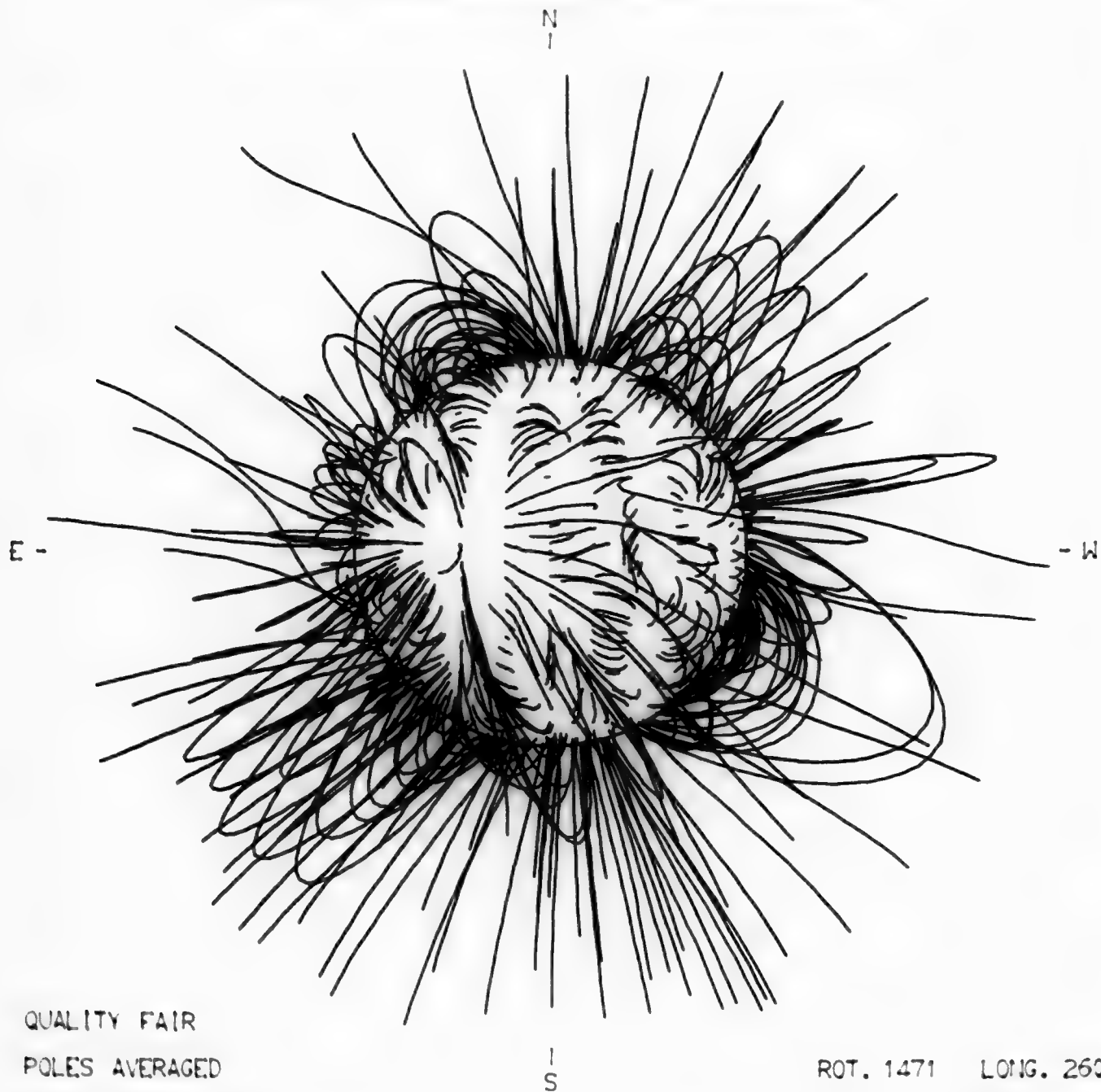


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1470.47

I
S

ROT. 1471 LONG. 270°
27.2 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



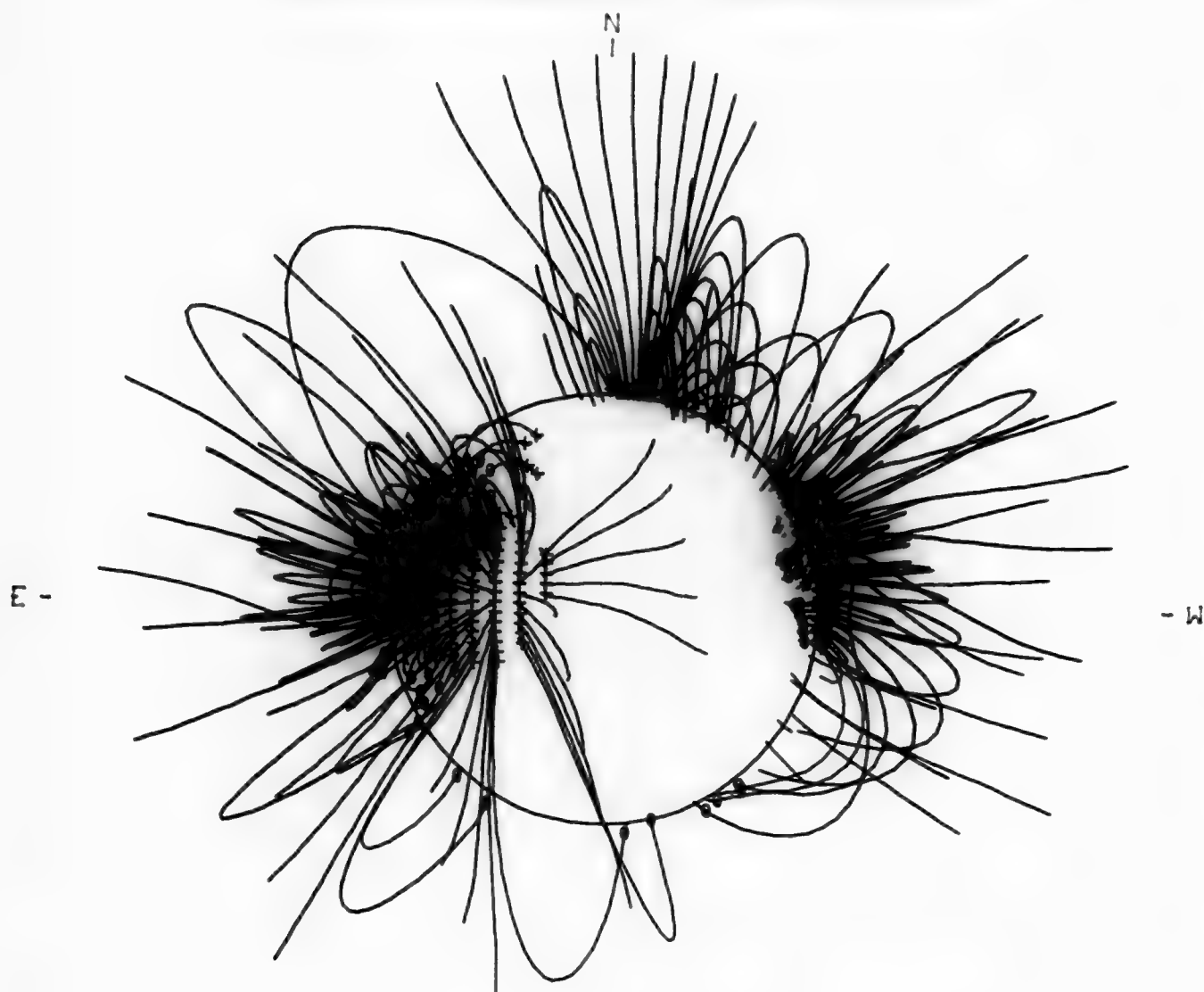
QUALITY FAIR

POLES AVERAGED

DATA WINDOW 1470.67

ROT. 1471 LONG. 260°
28.0 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

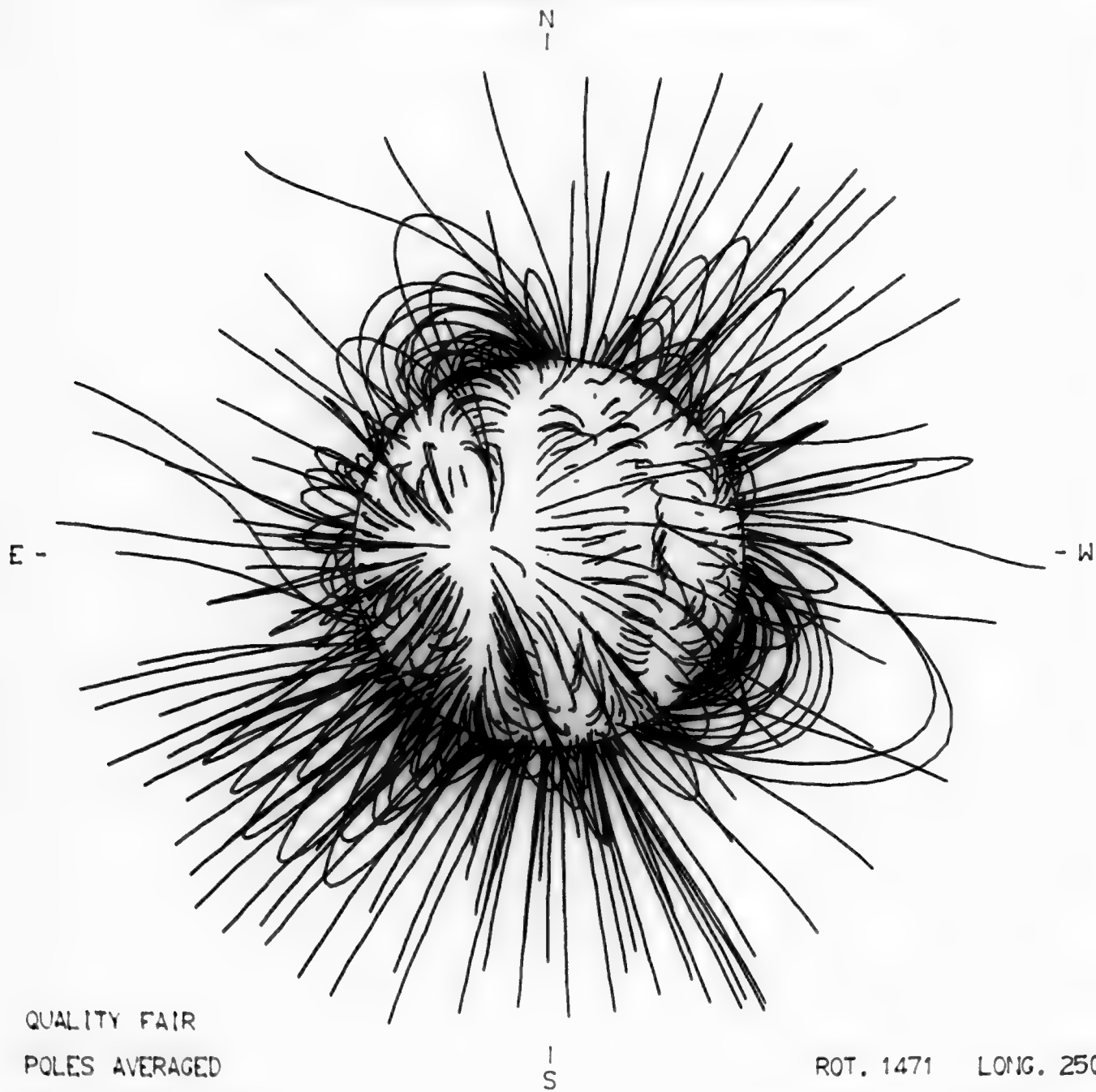
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 260°

28.0 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



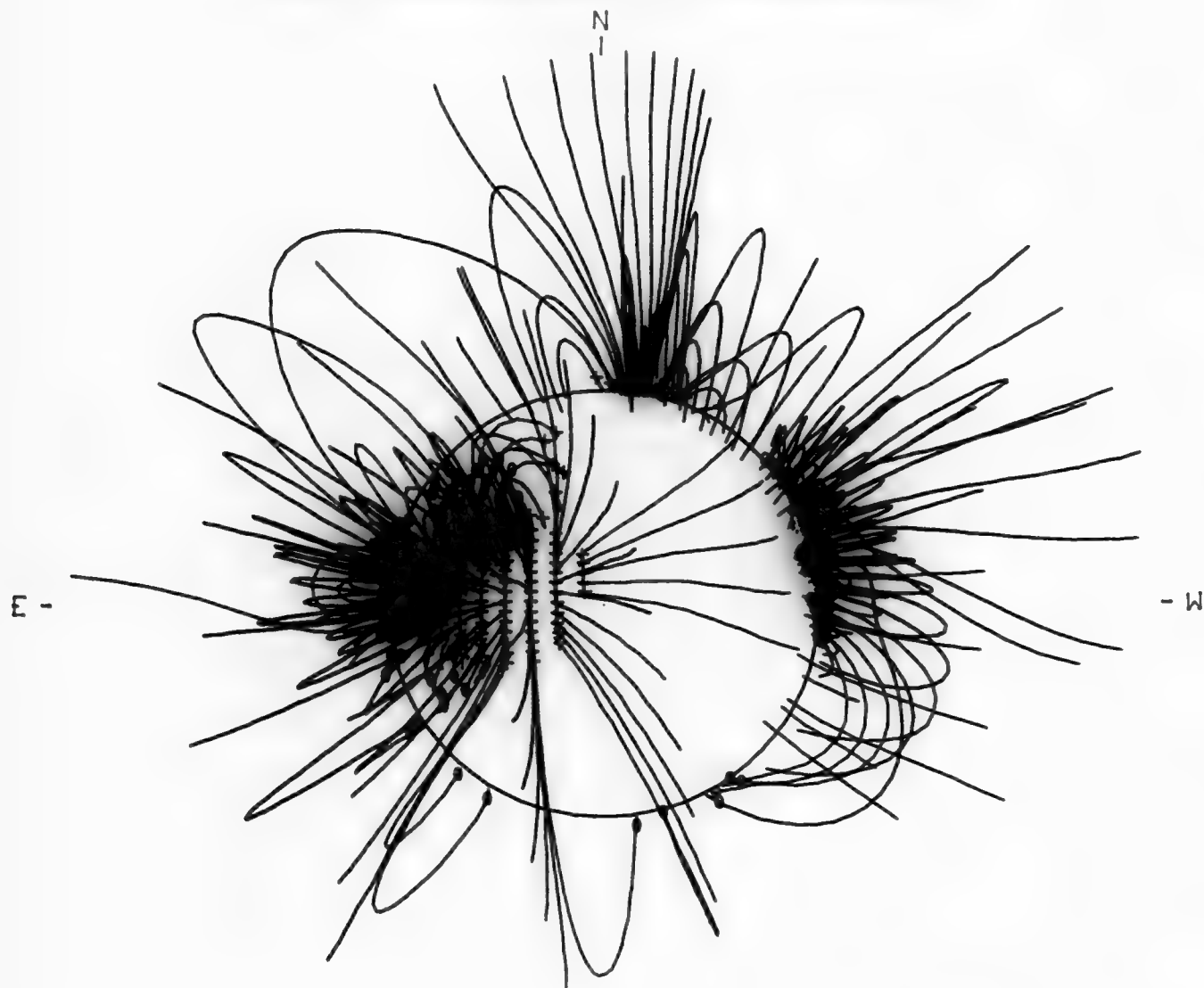
QUALITY FAIR

POLES AVERAGED

DATA WINDOW 1470.67

ROT. 1471 LONG. 250°
28.8 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

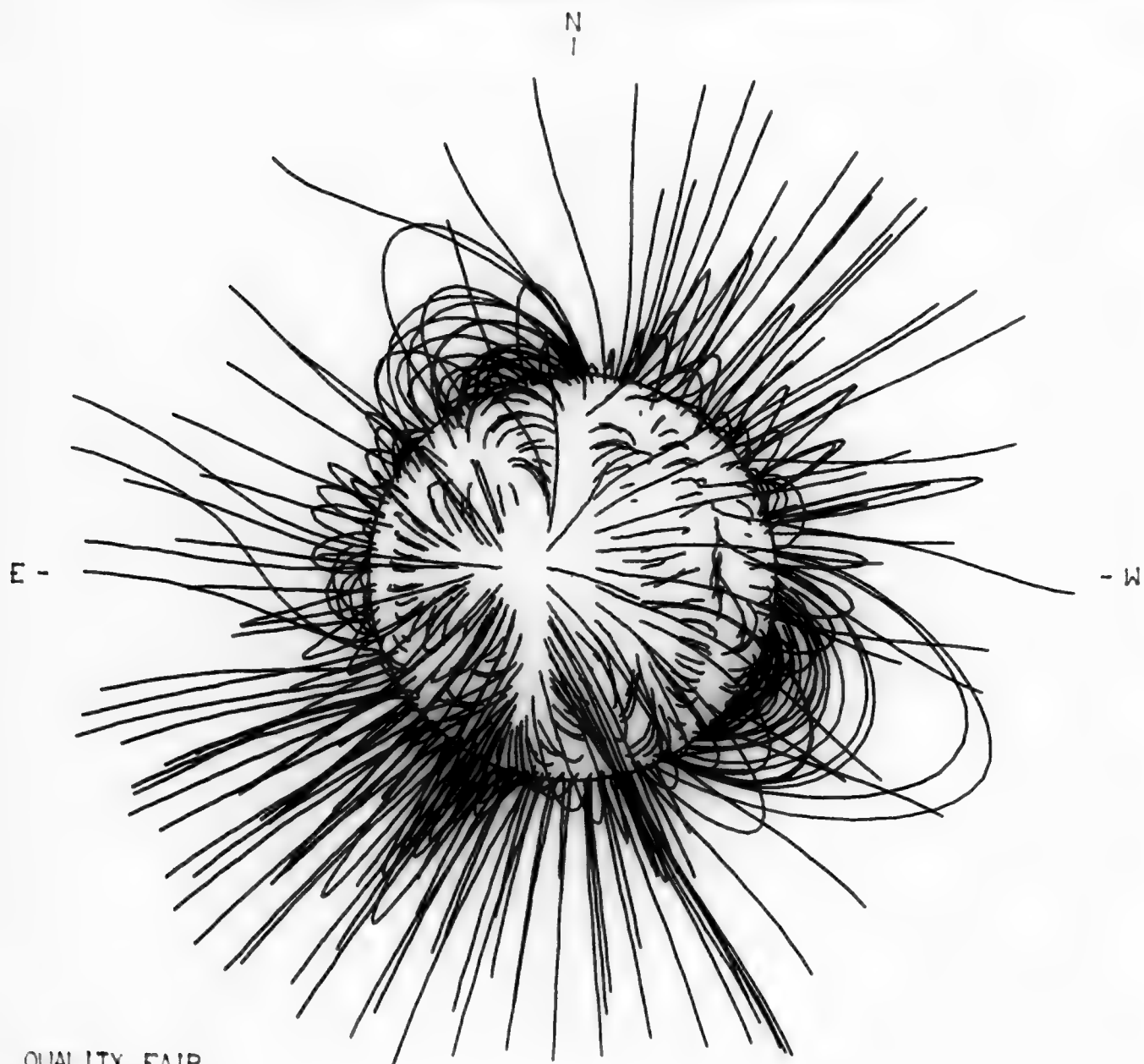
DATA WINDOW 1470.67

!
S

ROT. 1471 LONG. 250°

28.8 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

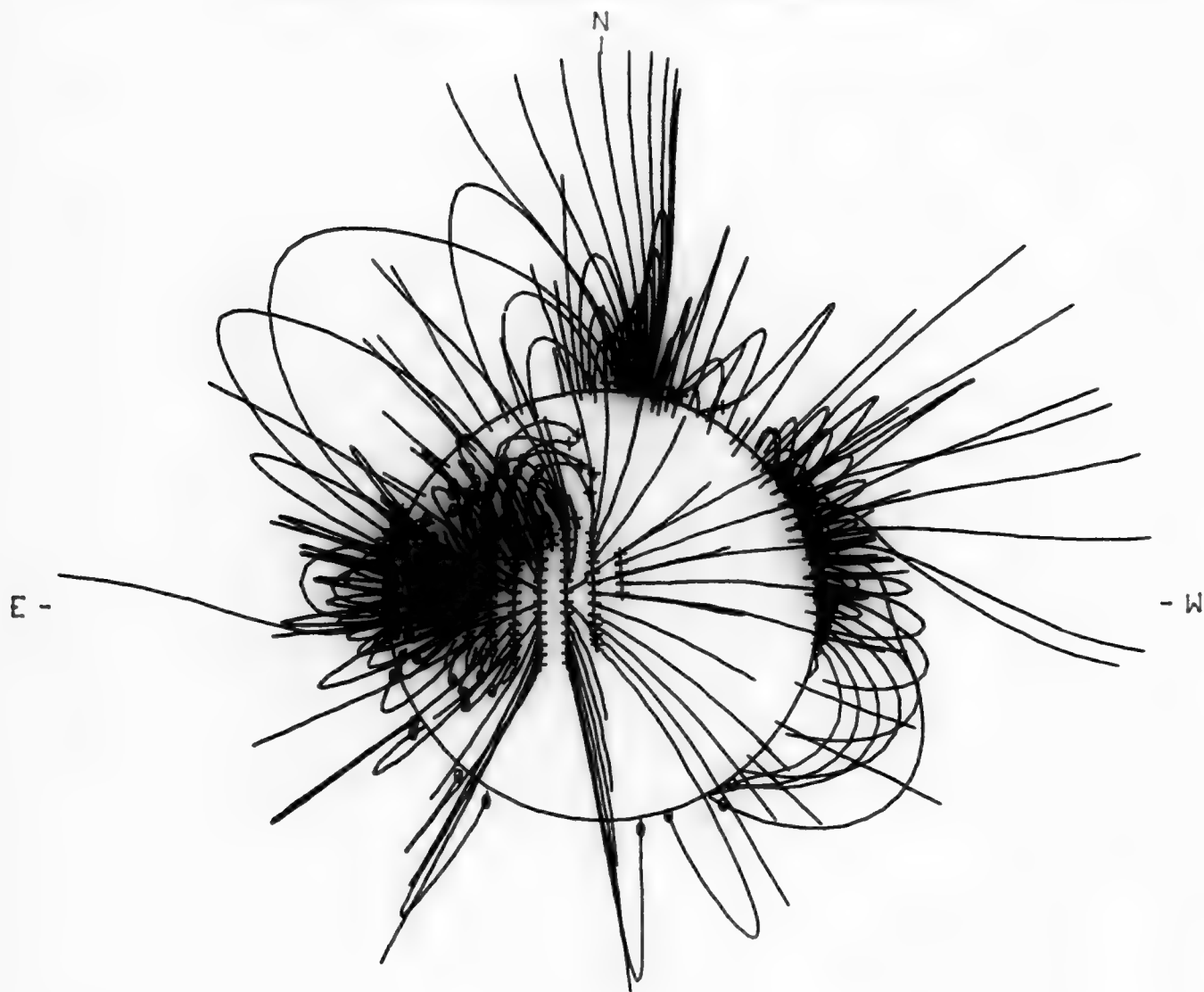
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 240°

29.5 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

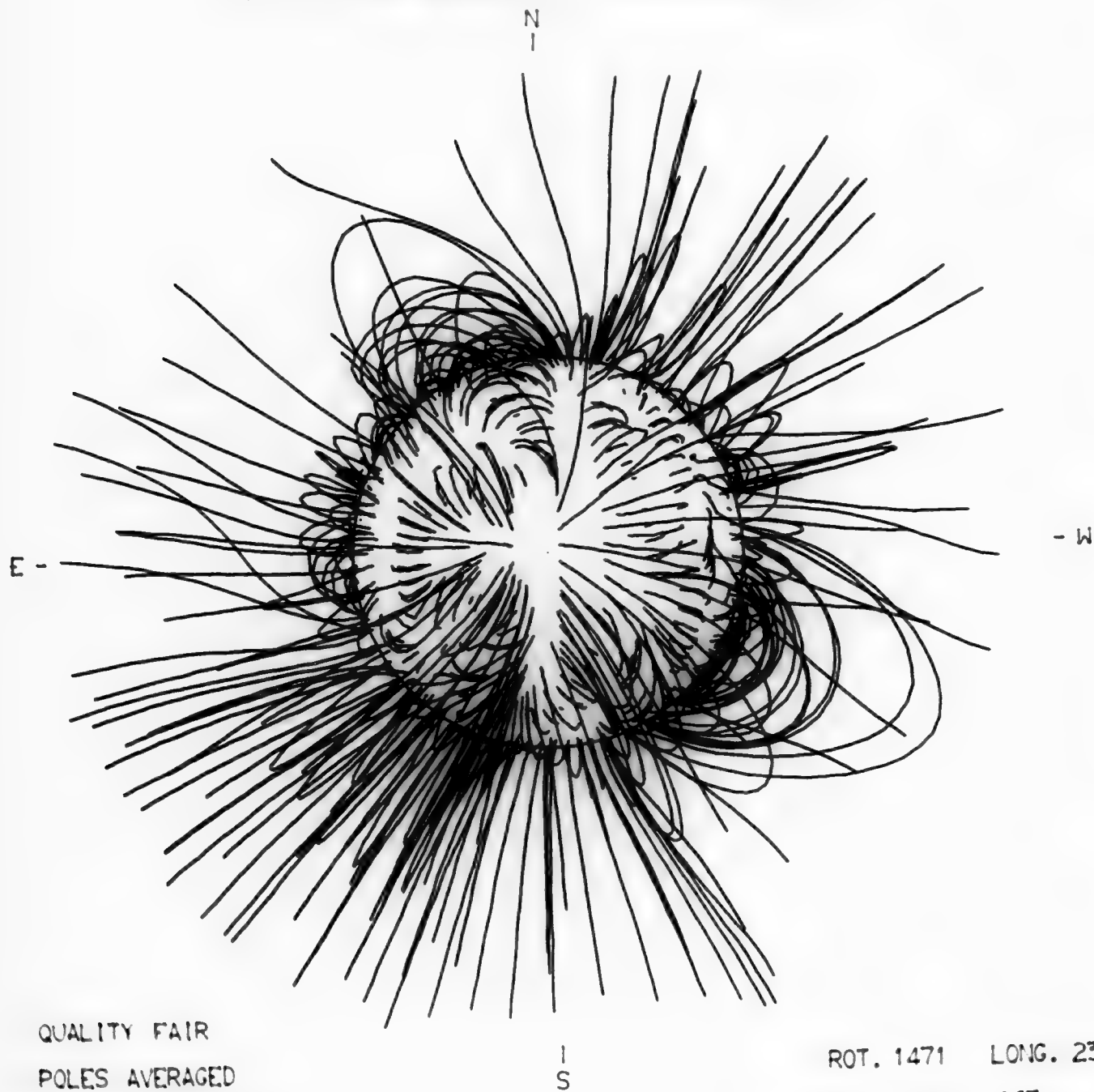
POLES AVERAGED

DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 240°
29.5 AUG 1963

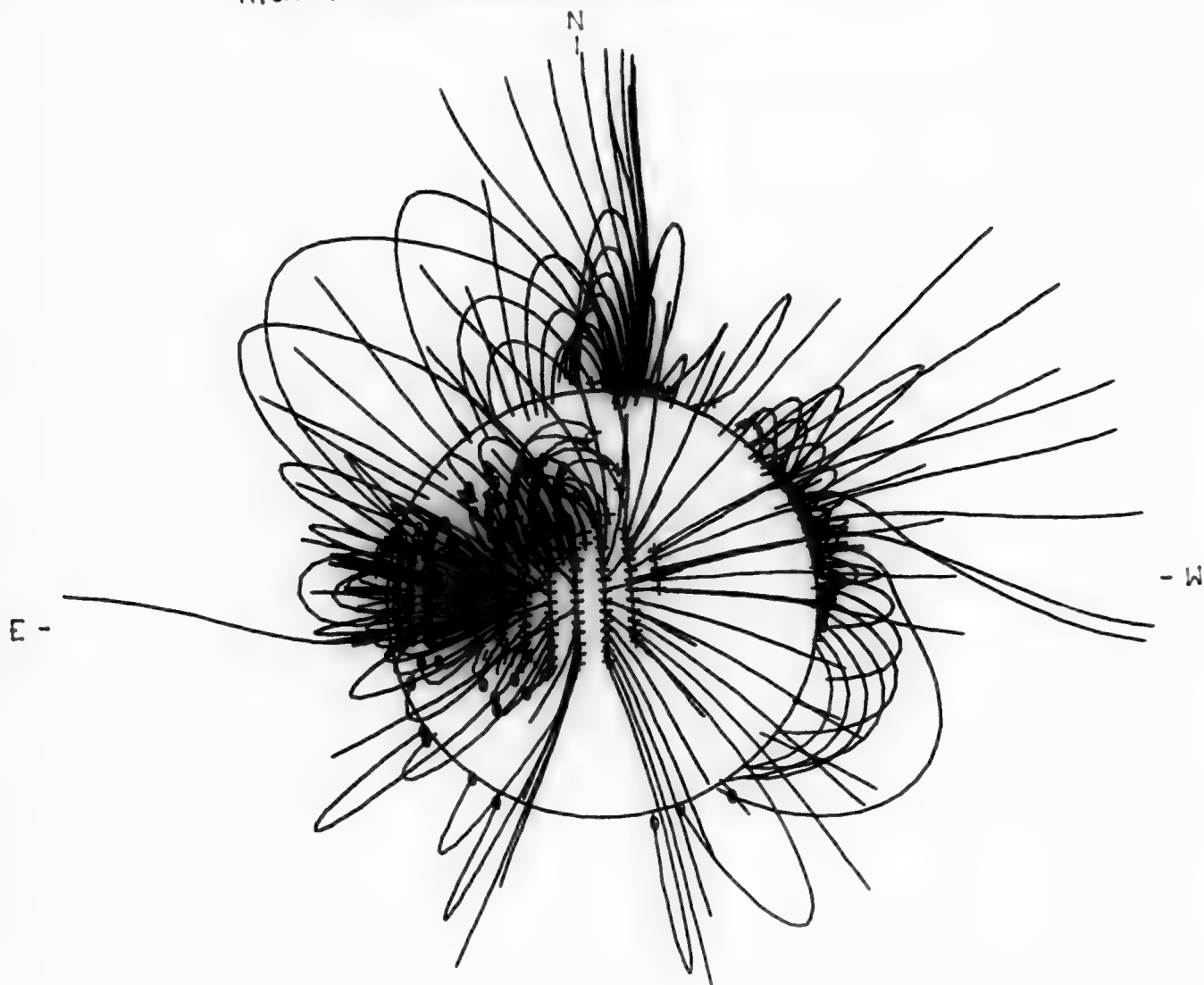
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1470.67

ROT. 1471 LONG. 230°
30.3 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

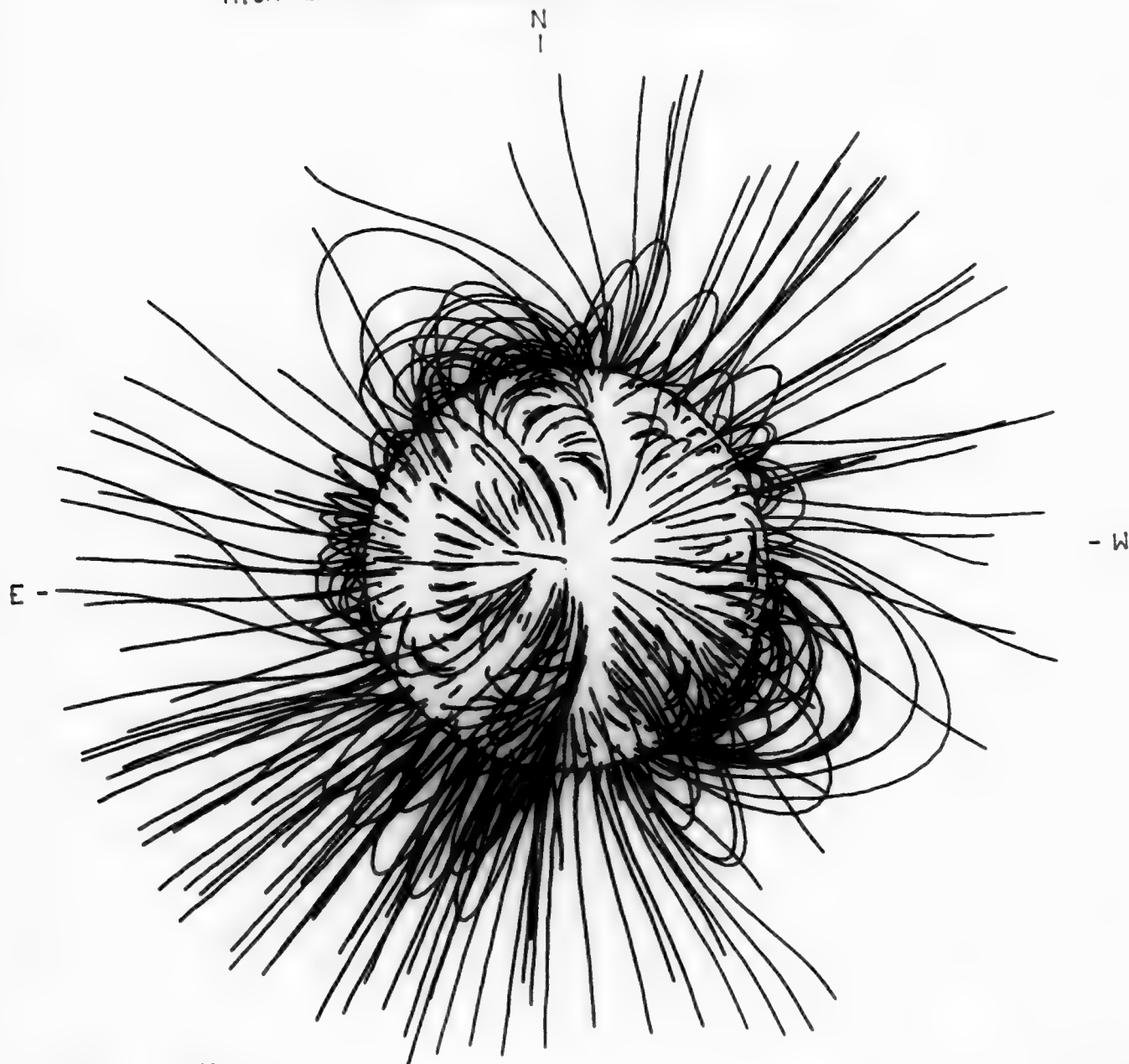


QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 230°
30.3 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

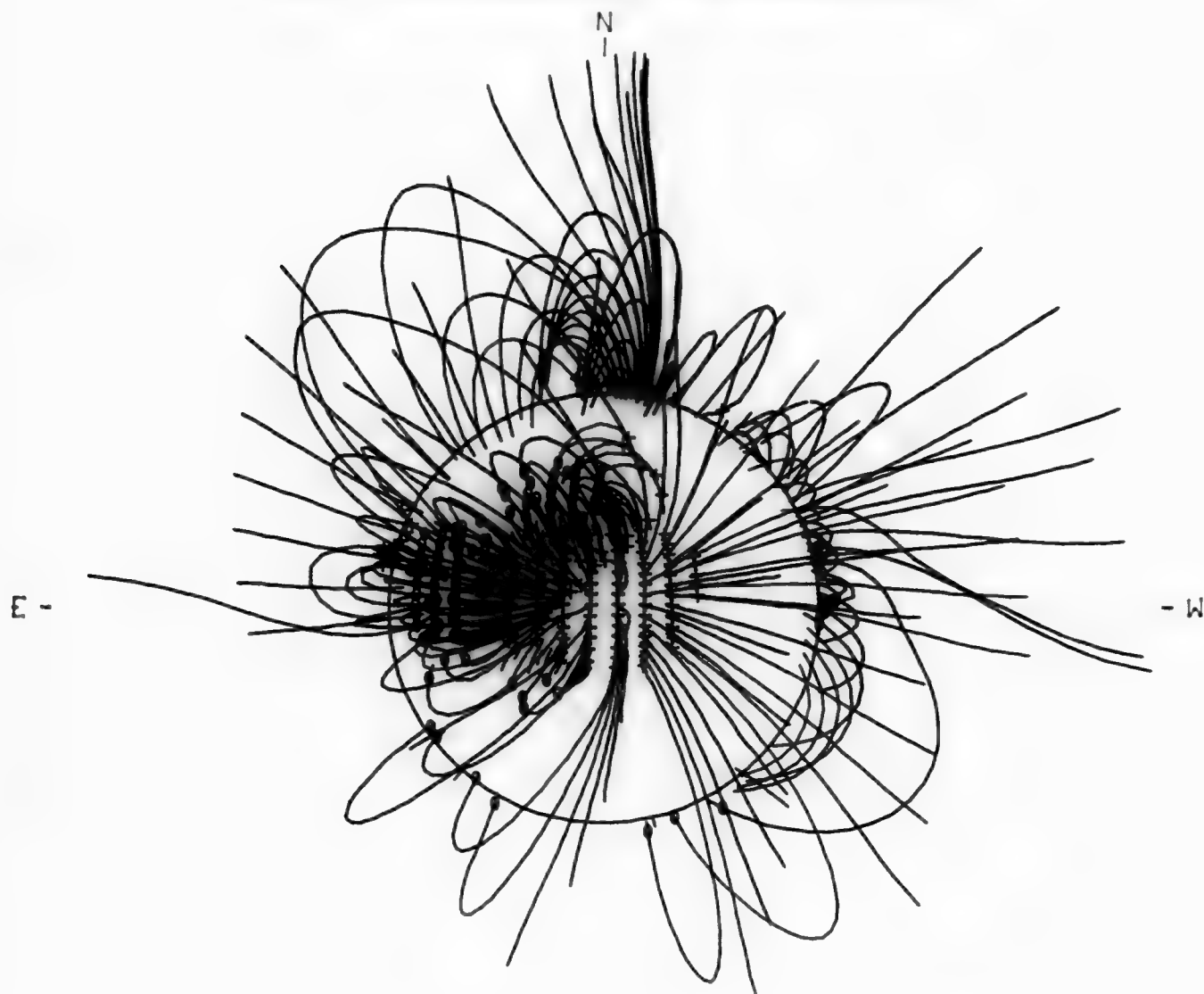


QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 220°
31.0 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

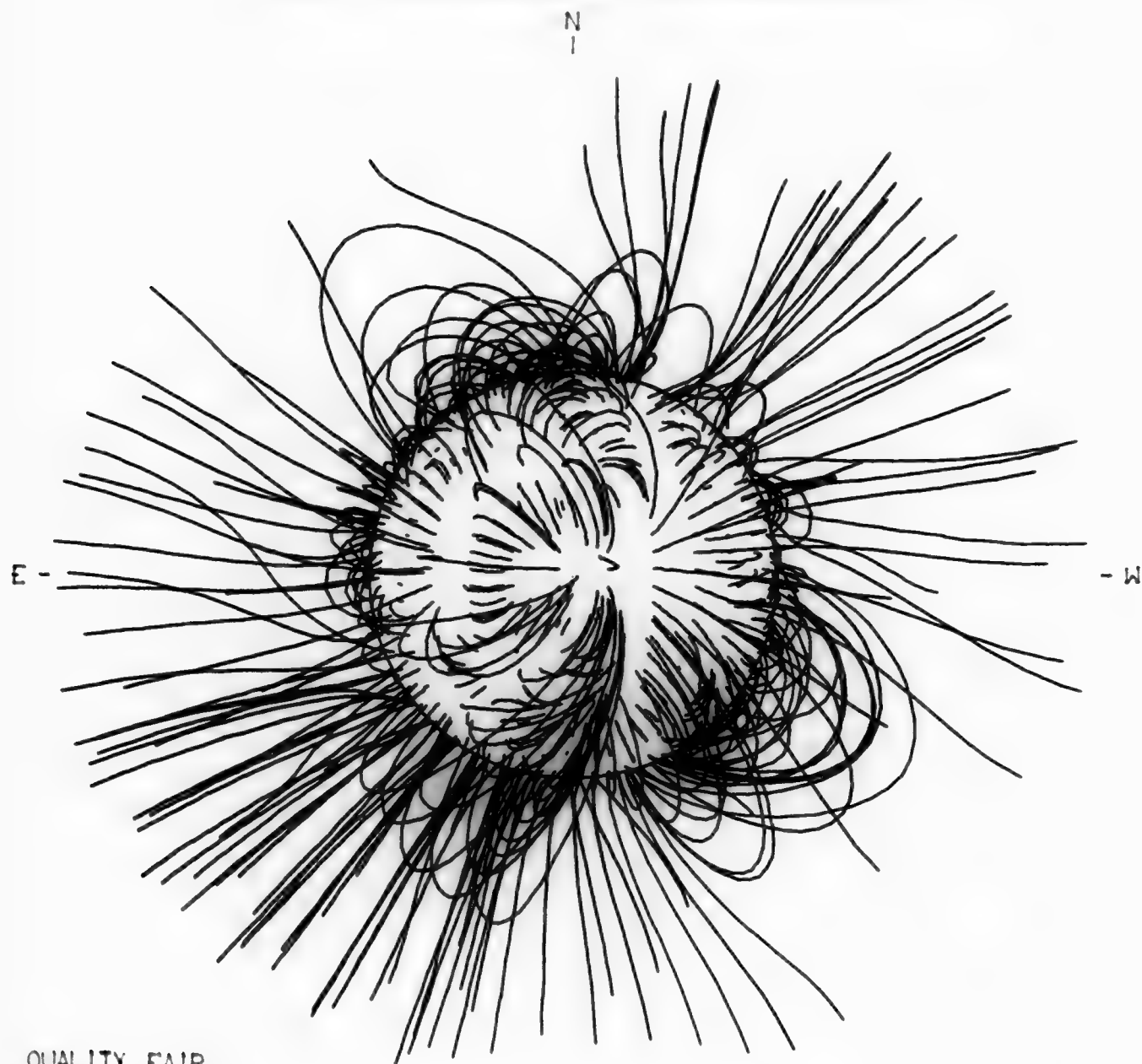
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 220°

31.0 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

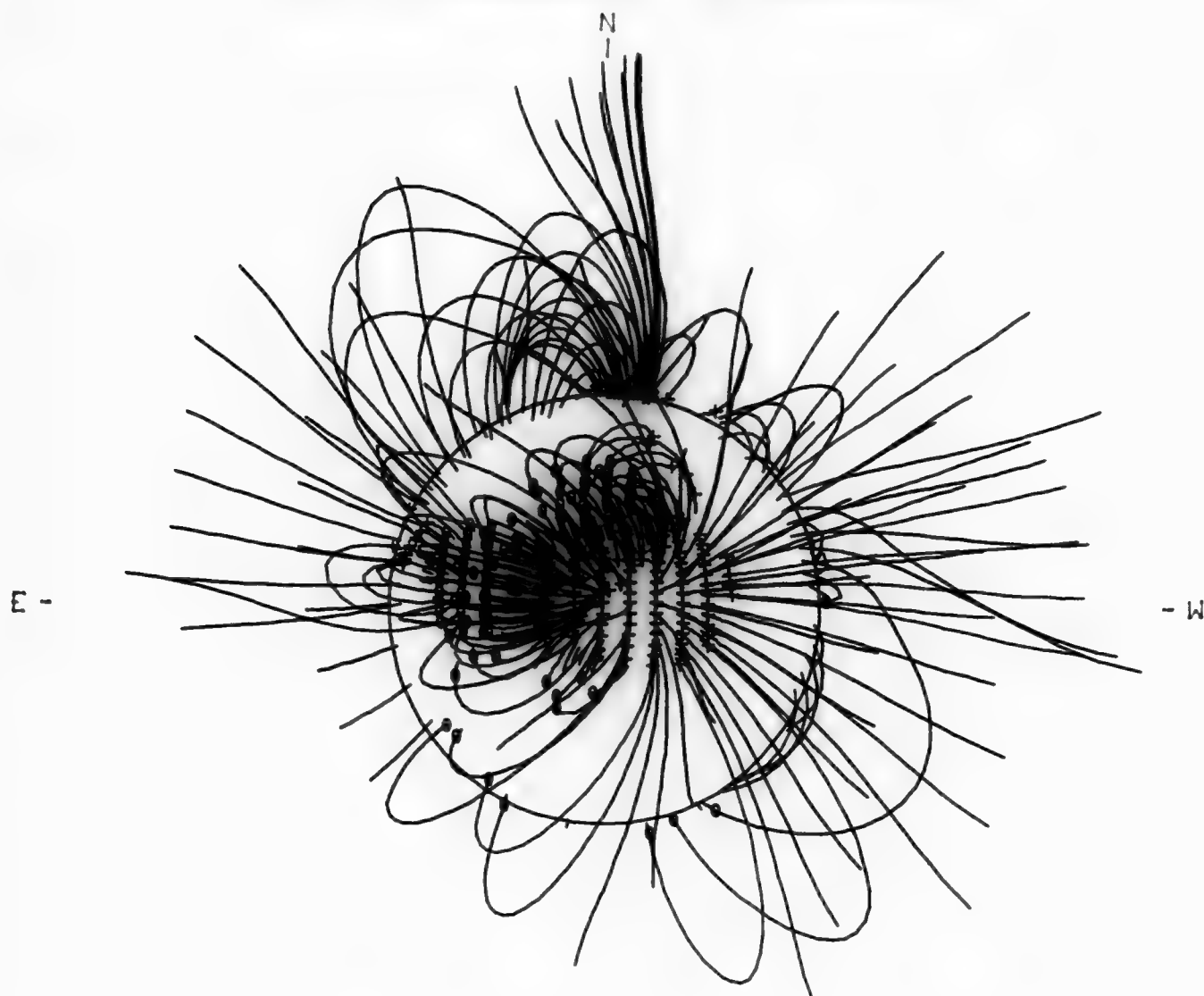
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 210°

31.8 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

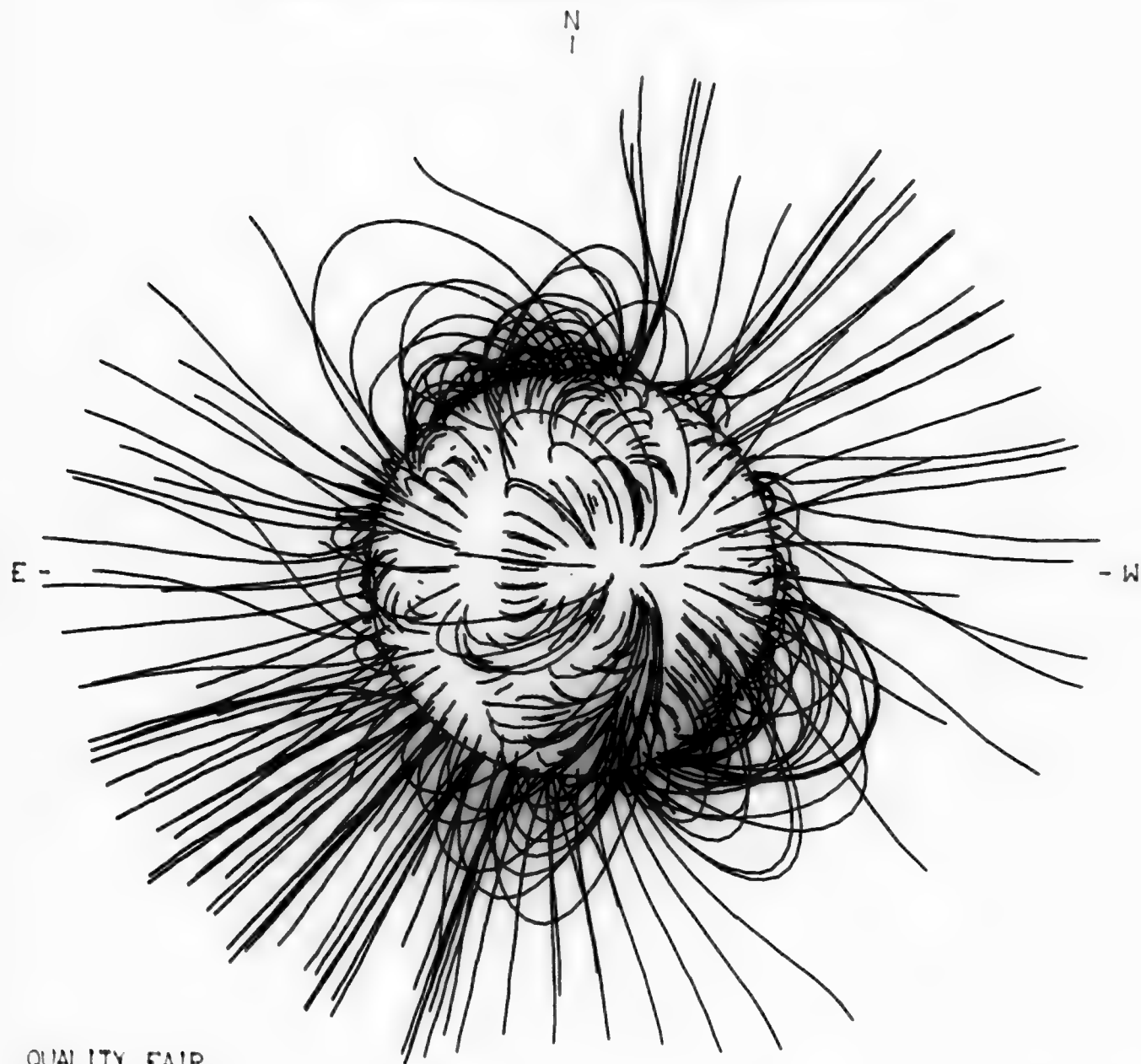
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 210°

31.8 AUG 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

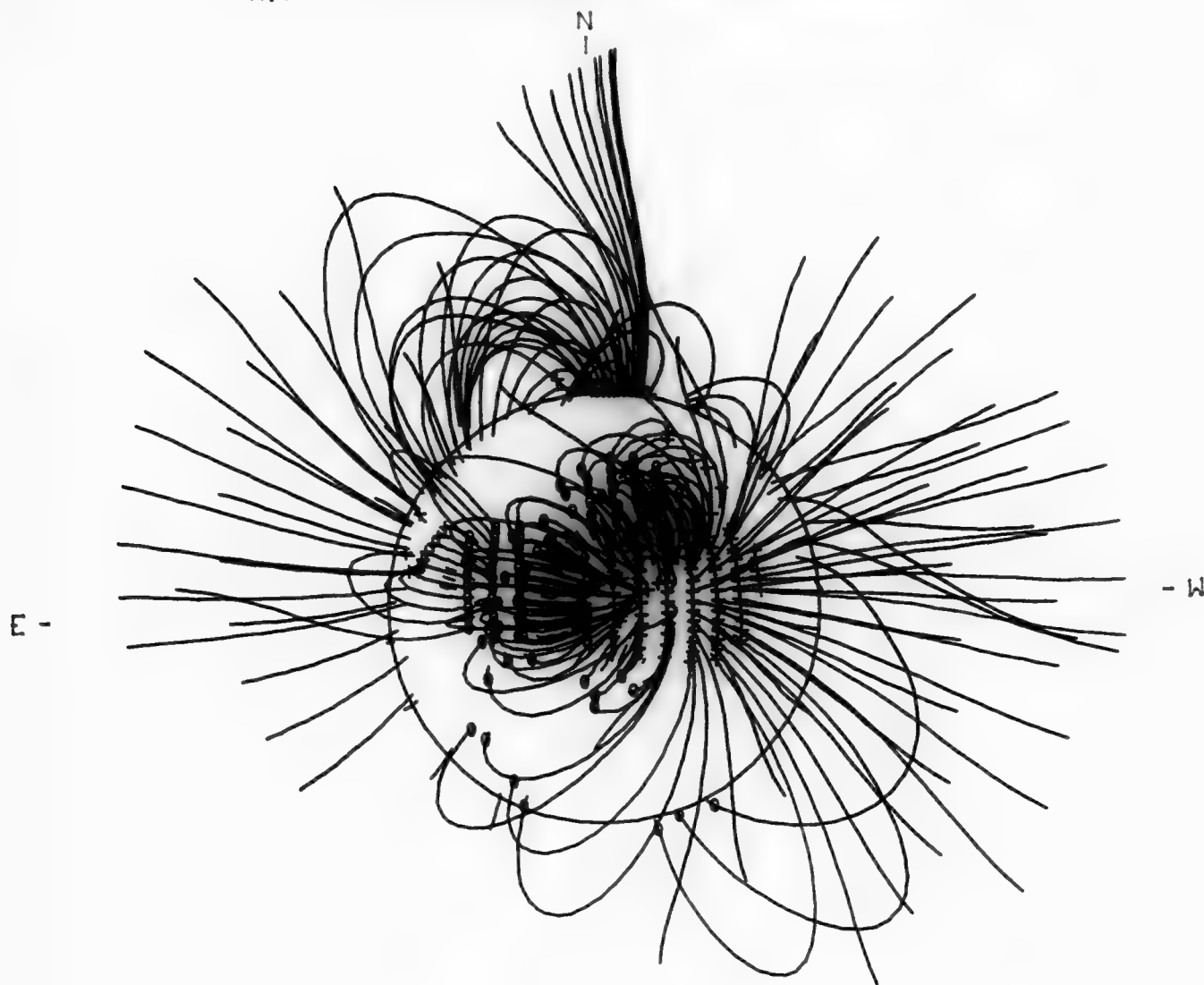
DATA WINDOW 1470.67

1
S

ROT. 1471 LONG. 200°

1.5 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

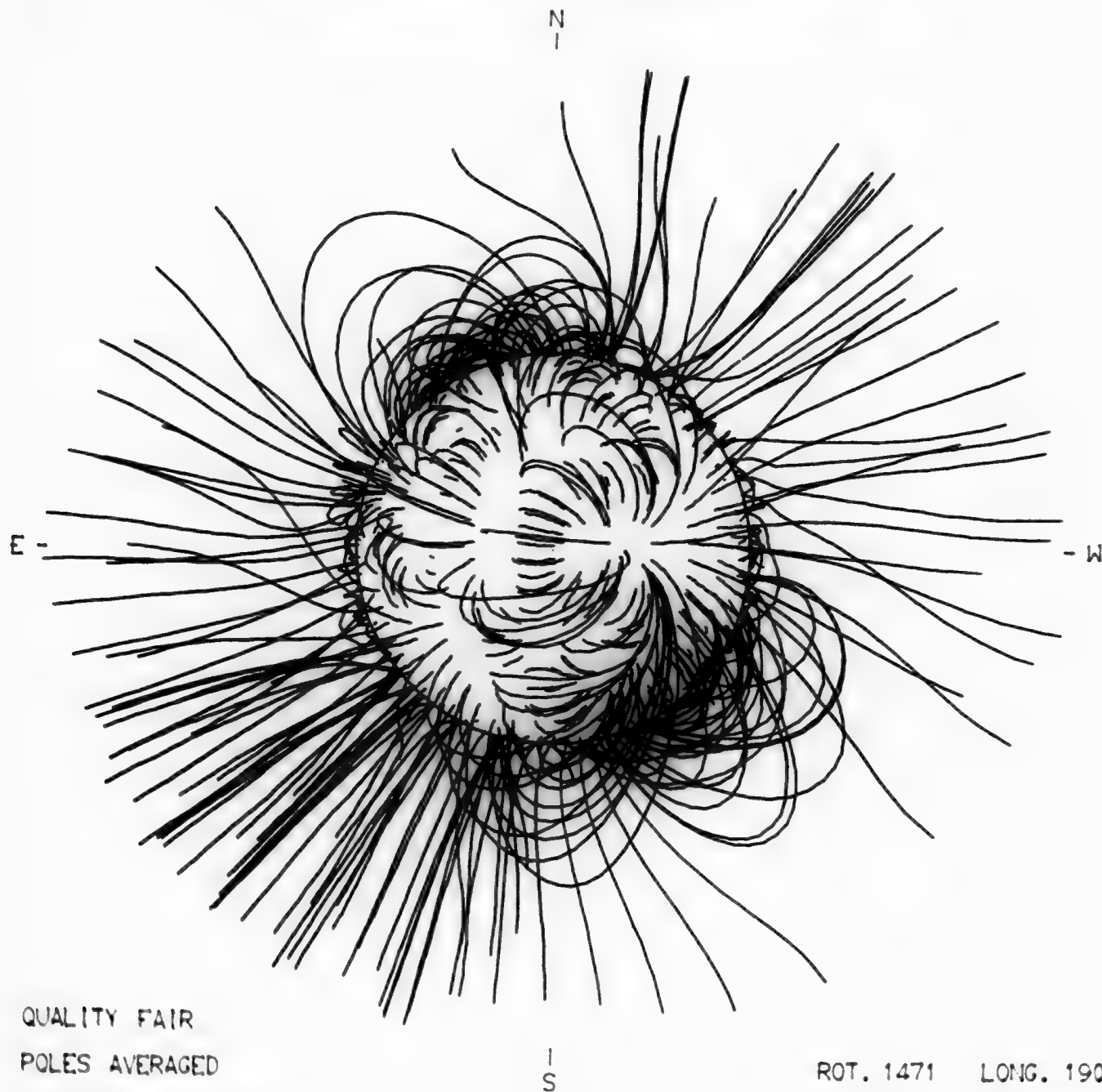


QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 200°
1.5 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

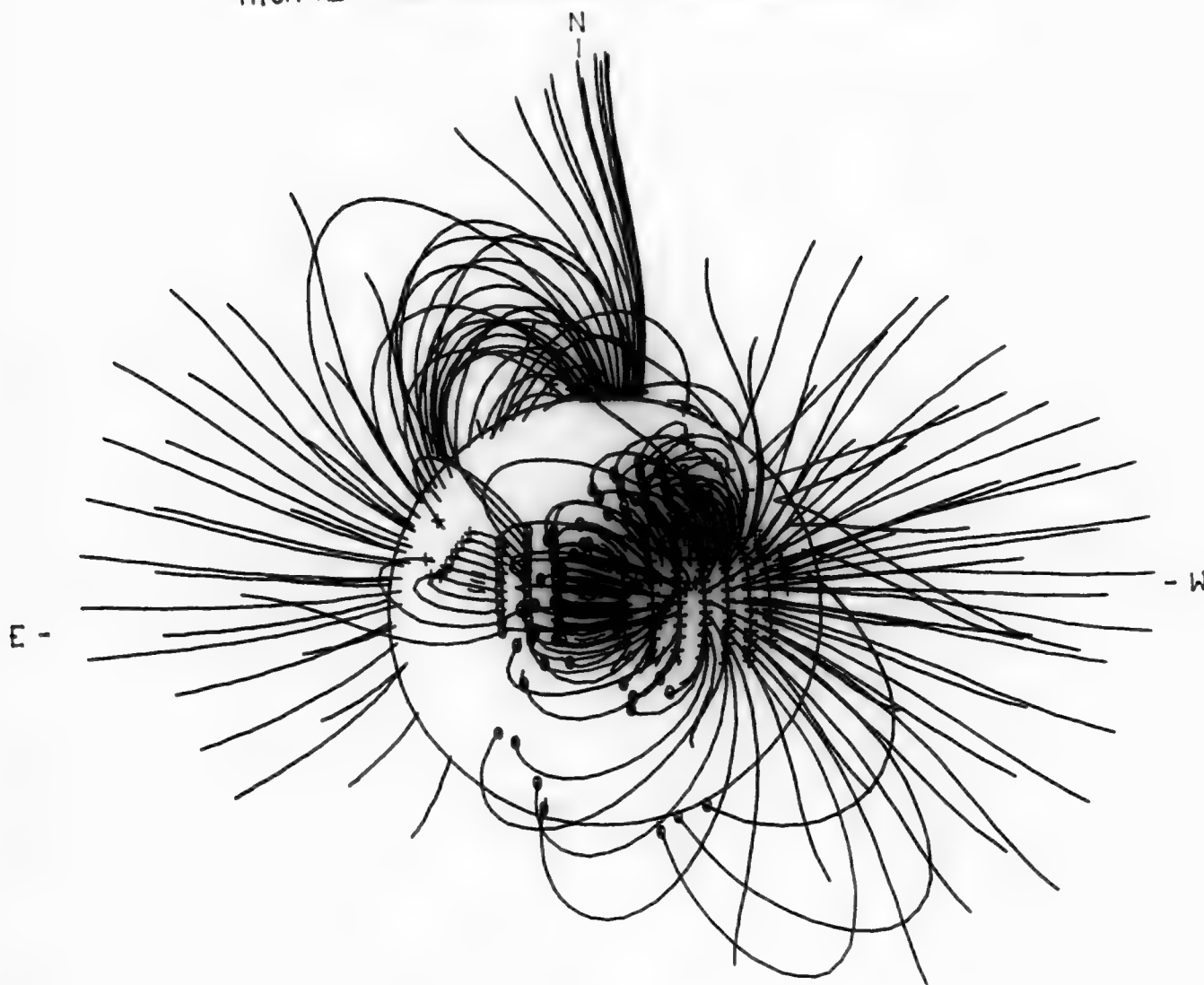
POLES AVERAGED

DATA WINDOW 1470.67

ROT. 1471 LONG. 190°

2.3 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

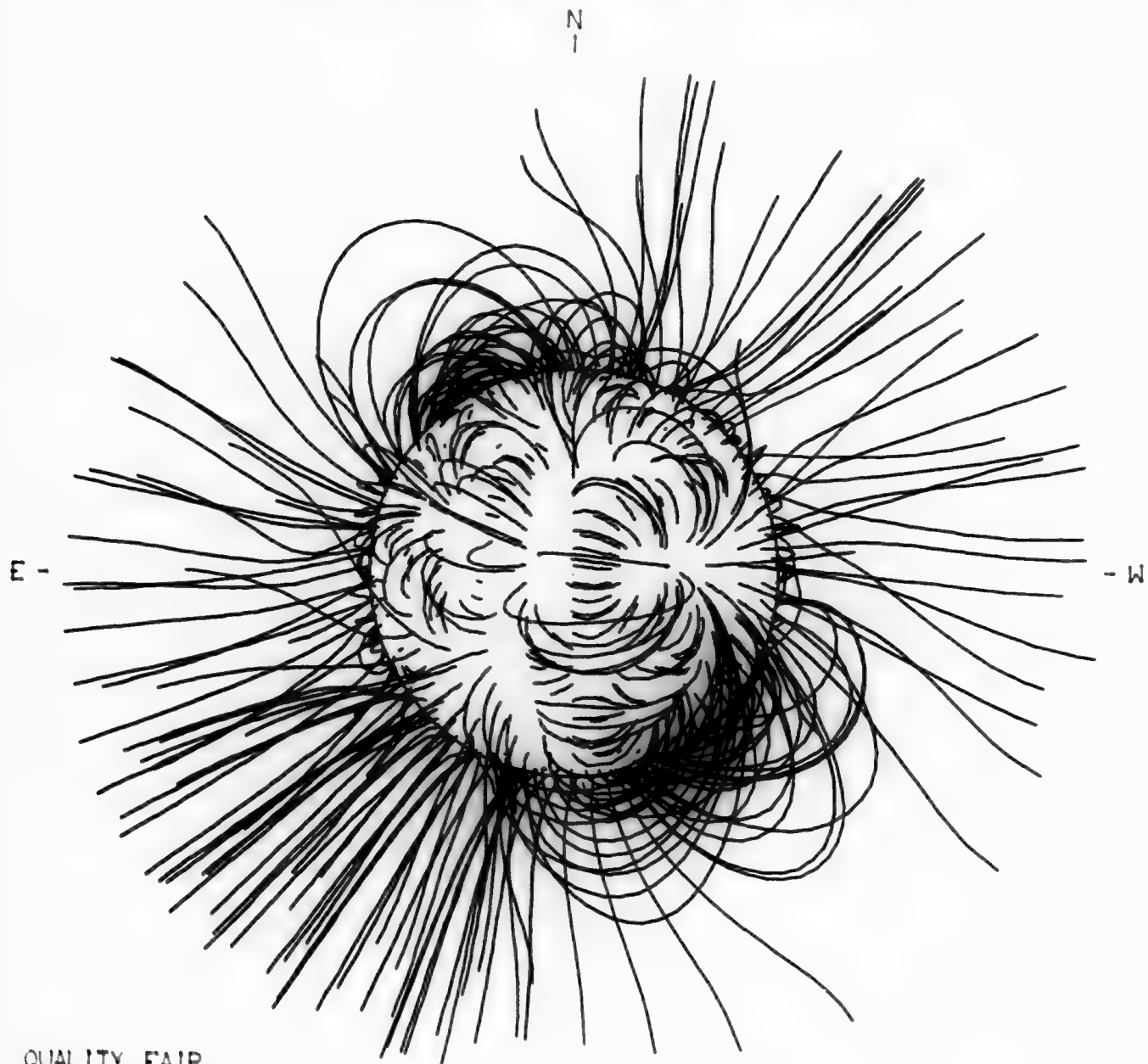


QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 190°
2.3 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

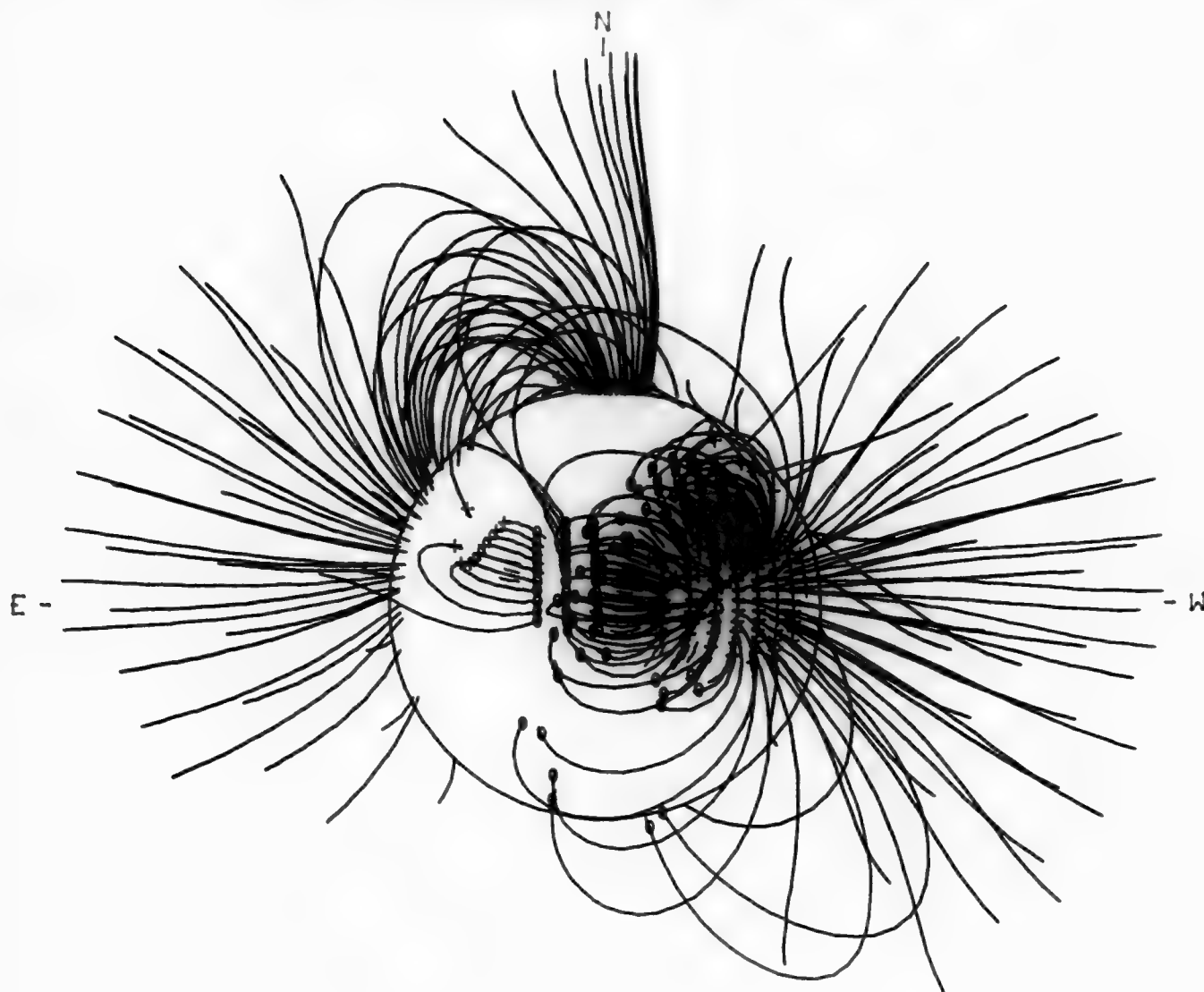
DATA WINDOW 1470.67

S

ROT. 1471 LONG. 180°

3.1 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

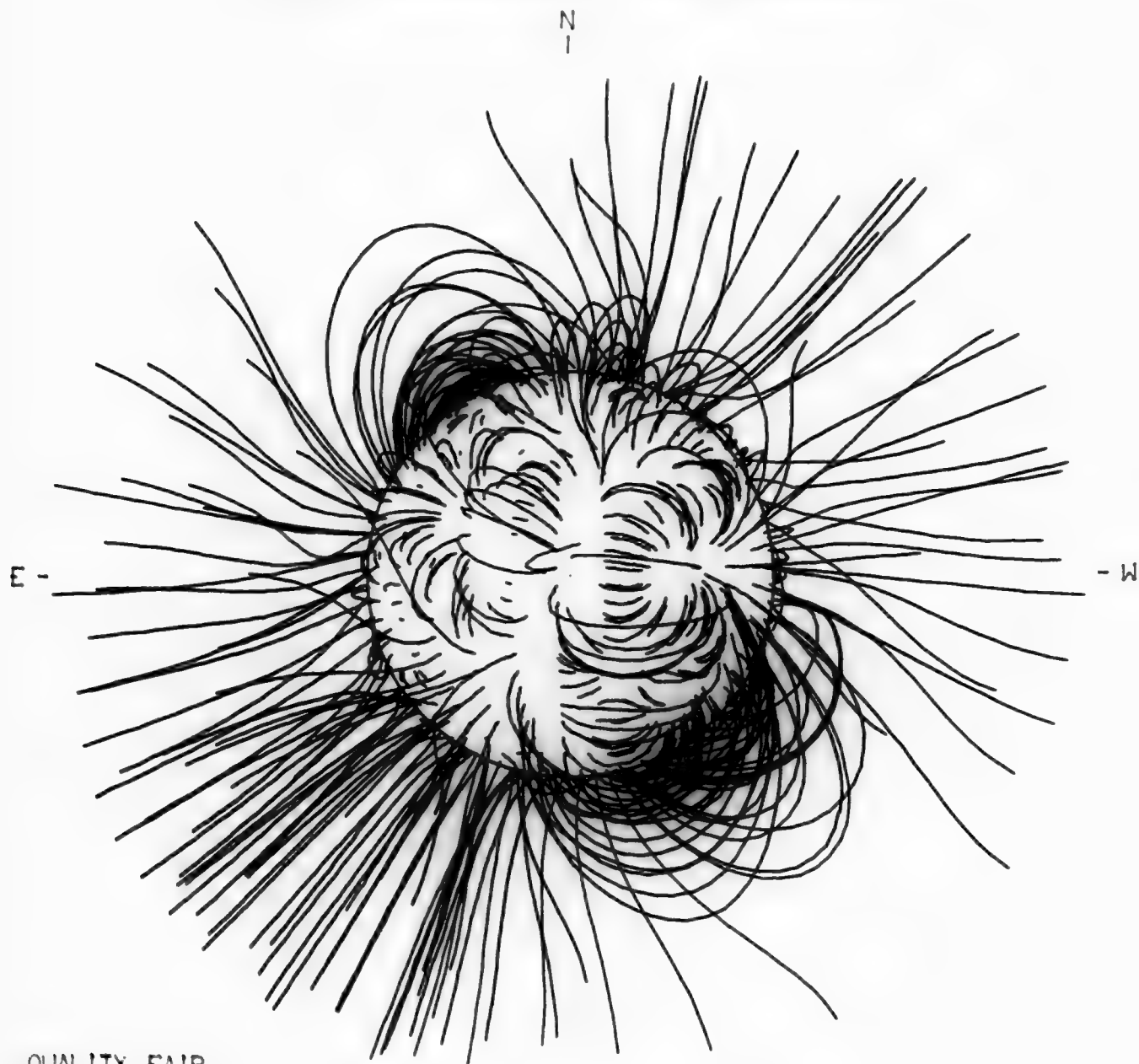
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 180°

3.1 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

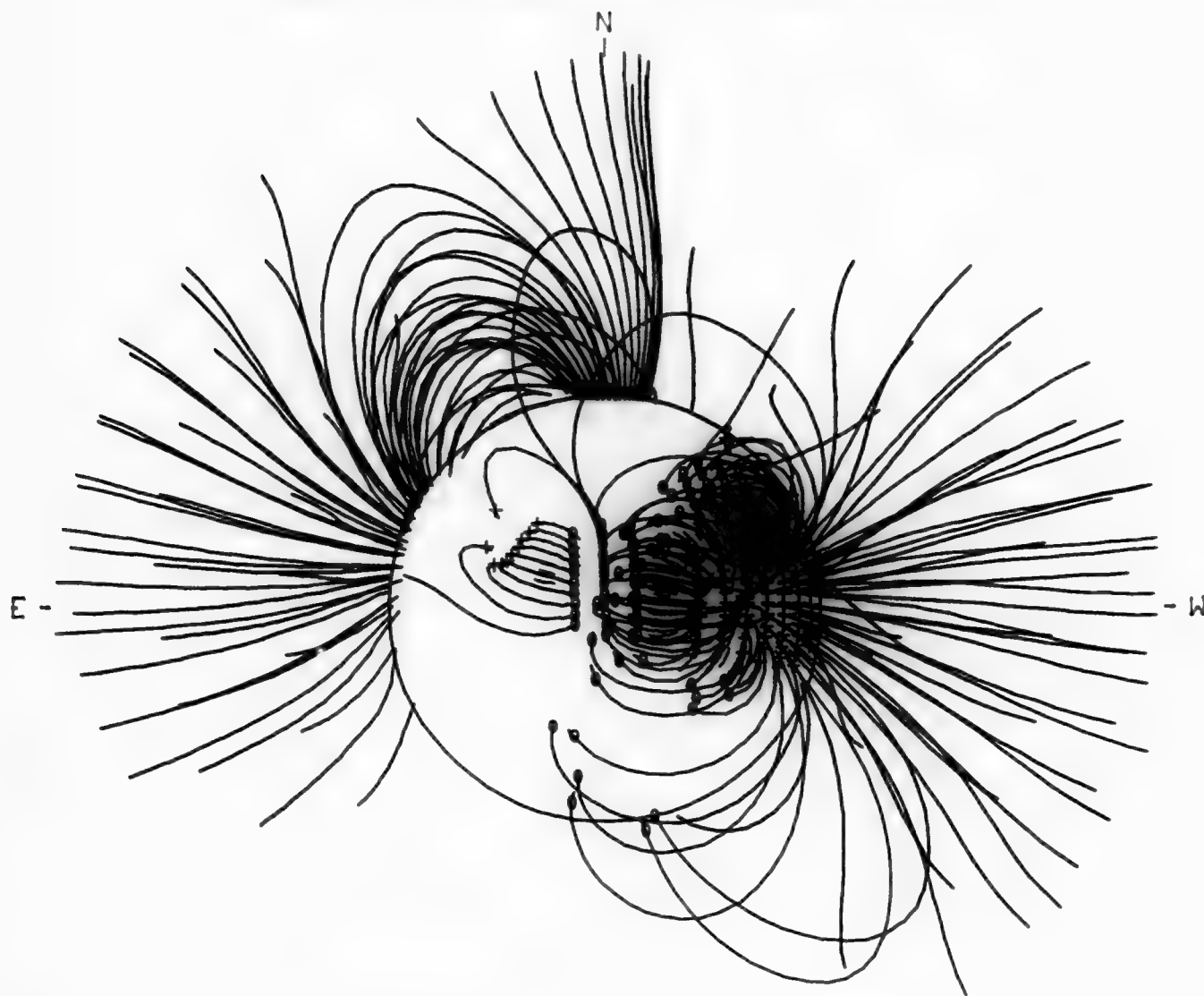
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 170°

3.8 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

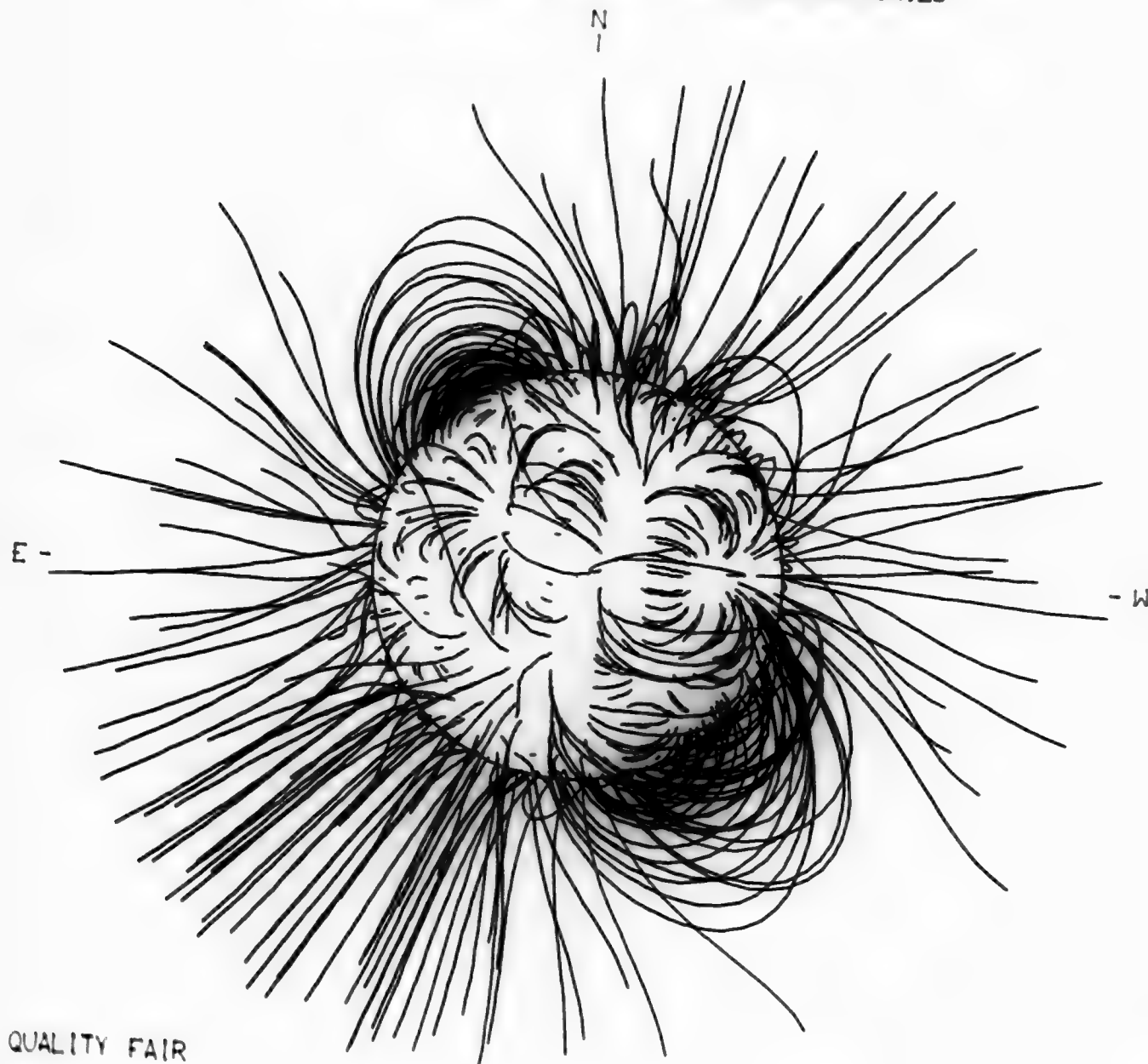
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 170°

3.8 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

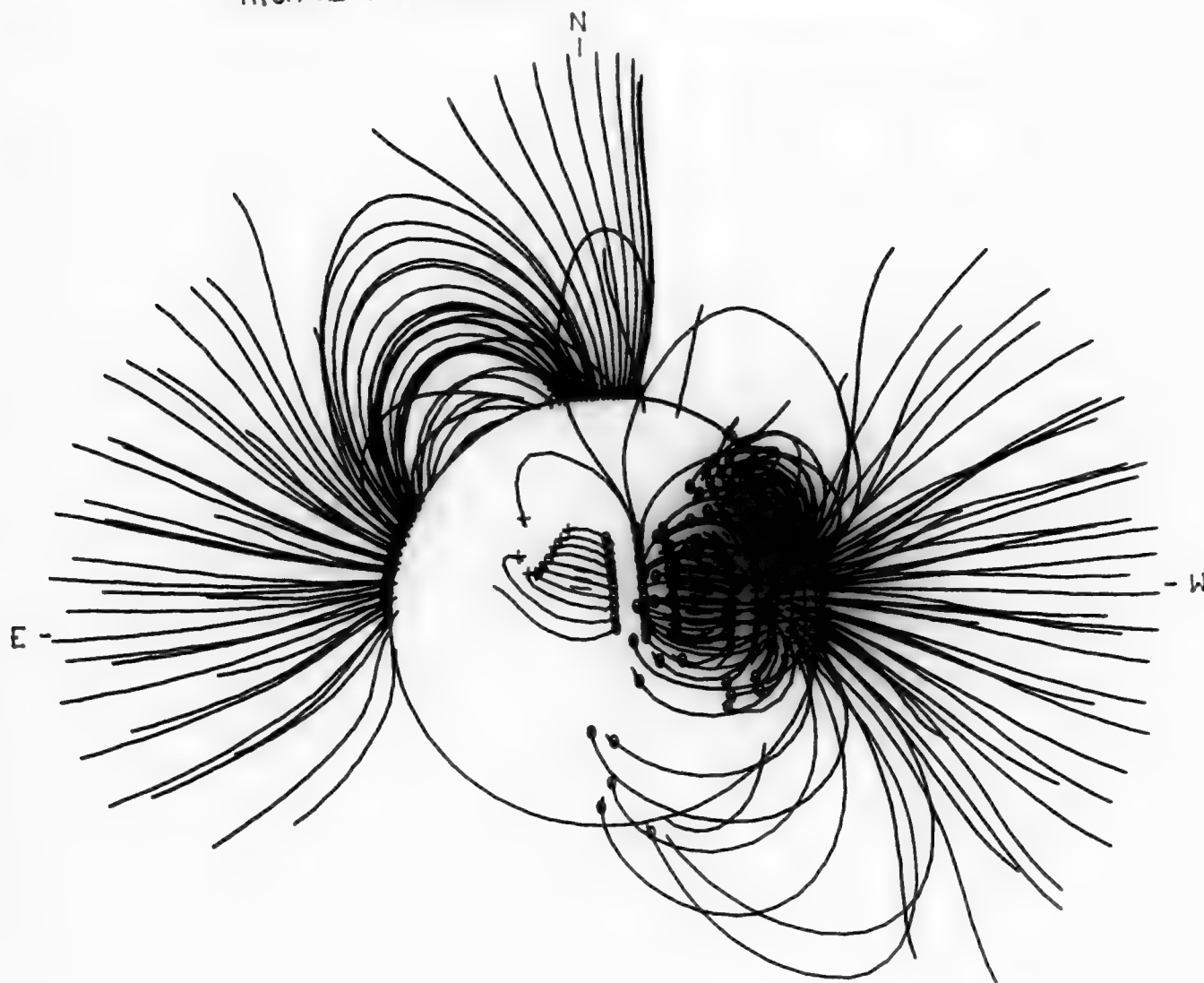


QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 160°
4.6 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

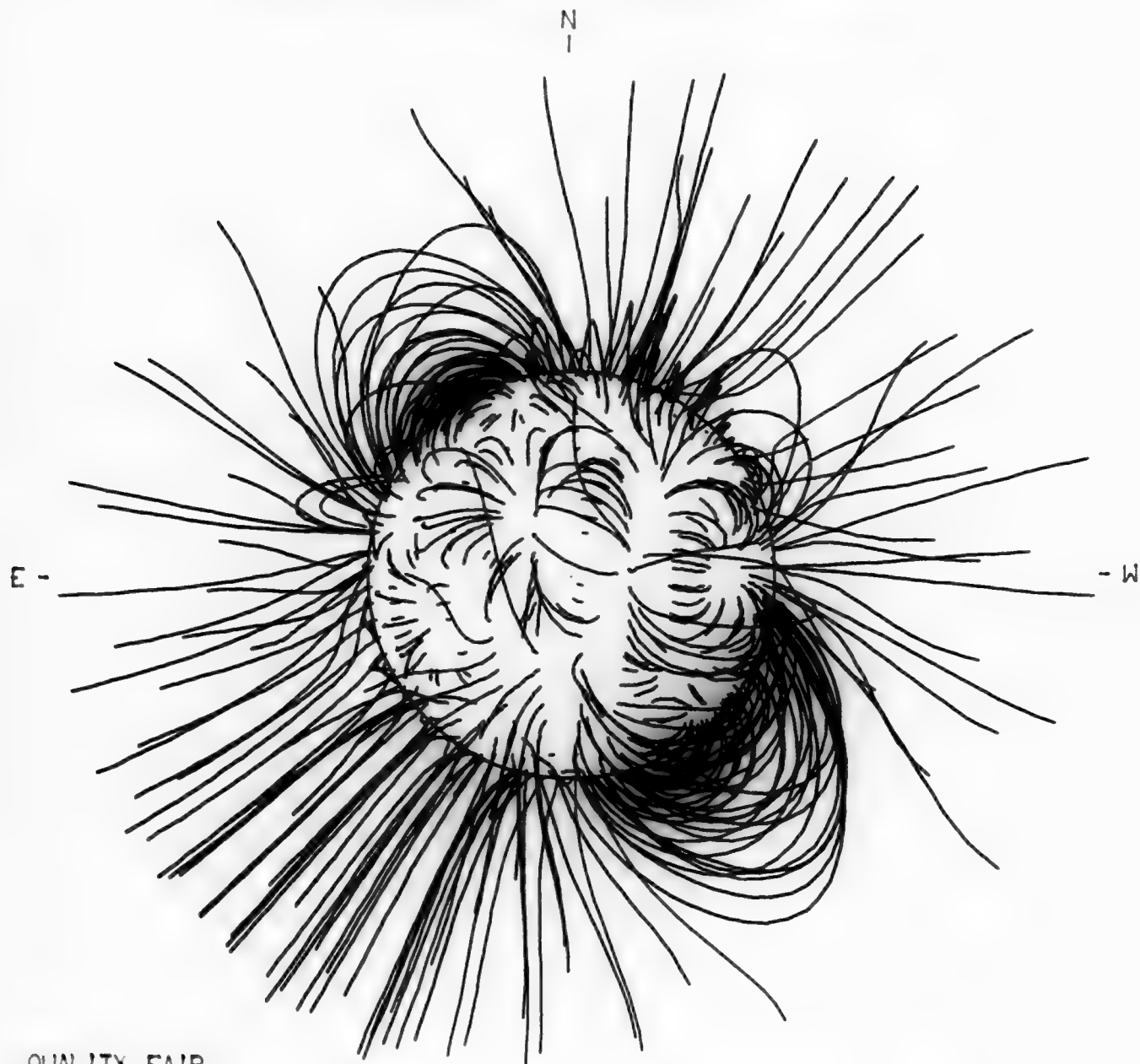


QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 160°
4.6 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

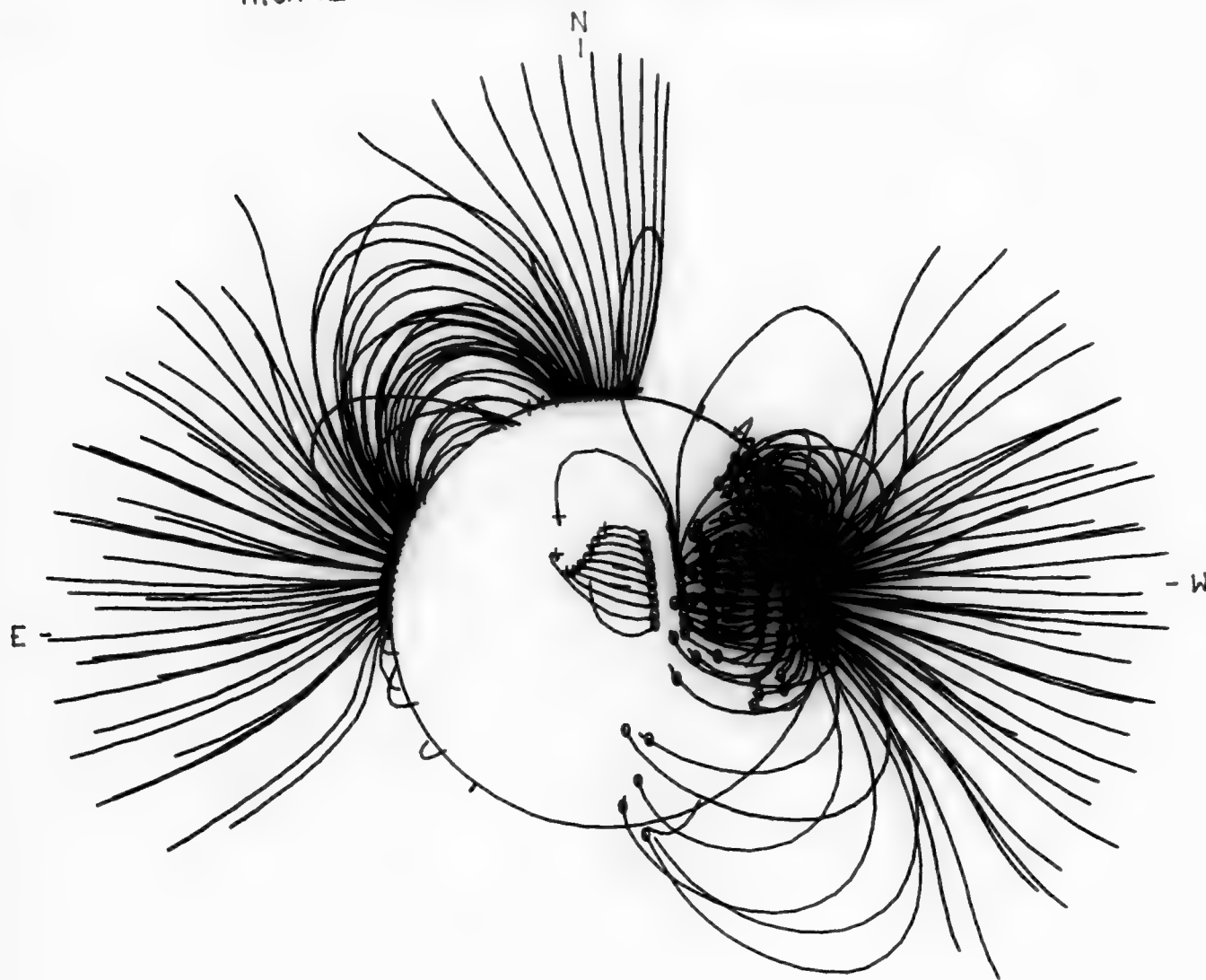
DATA WINDOW 1470.67

1
S

ROT. 1471 LONG. 150°

5.3 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

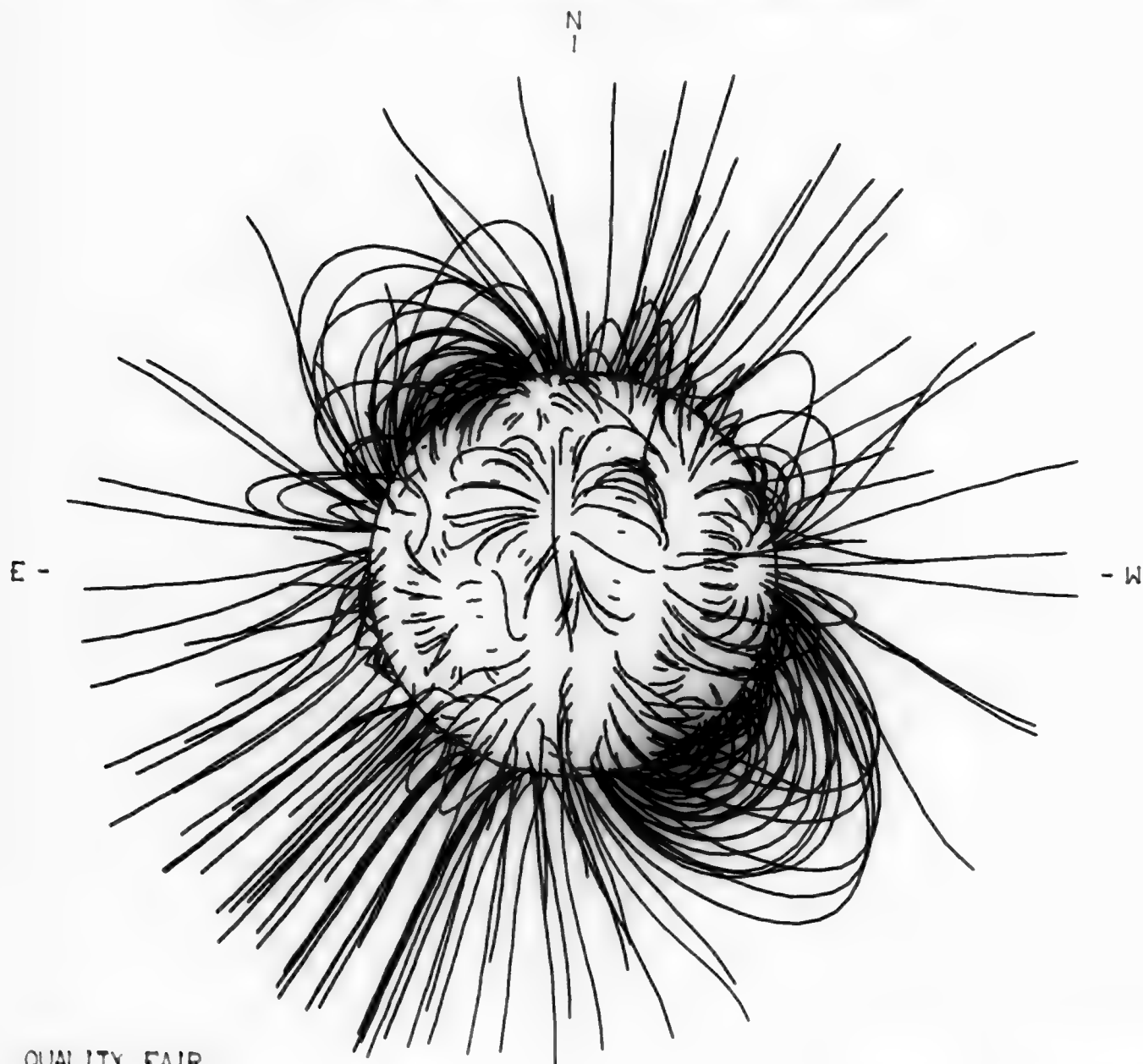


QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 150°
5.3 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

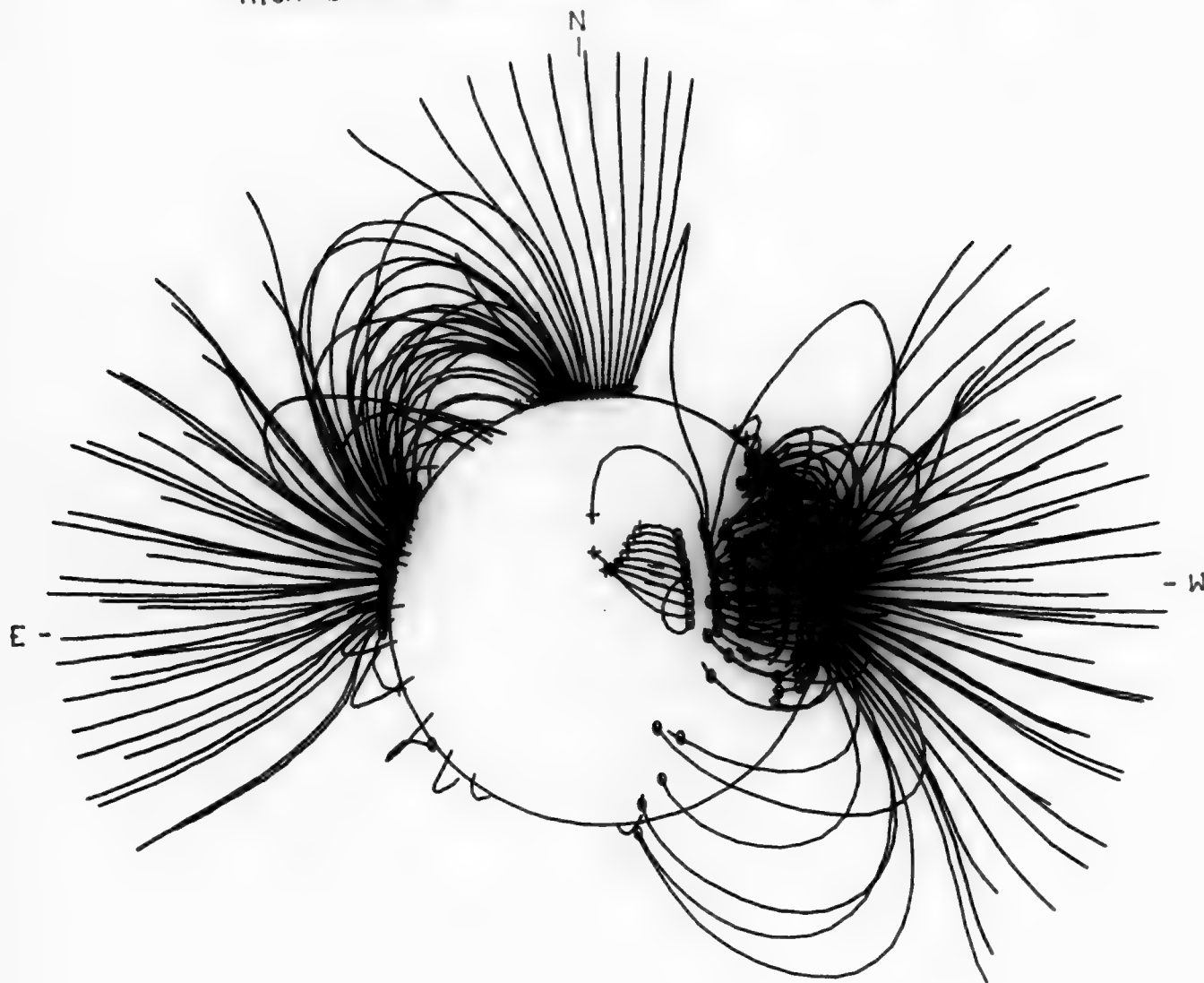
DATA WINDOW 1470.67

N
|
S

ROT. 1471 LONG. 140°

6.1 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

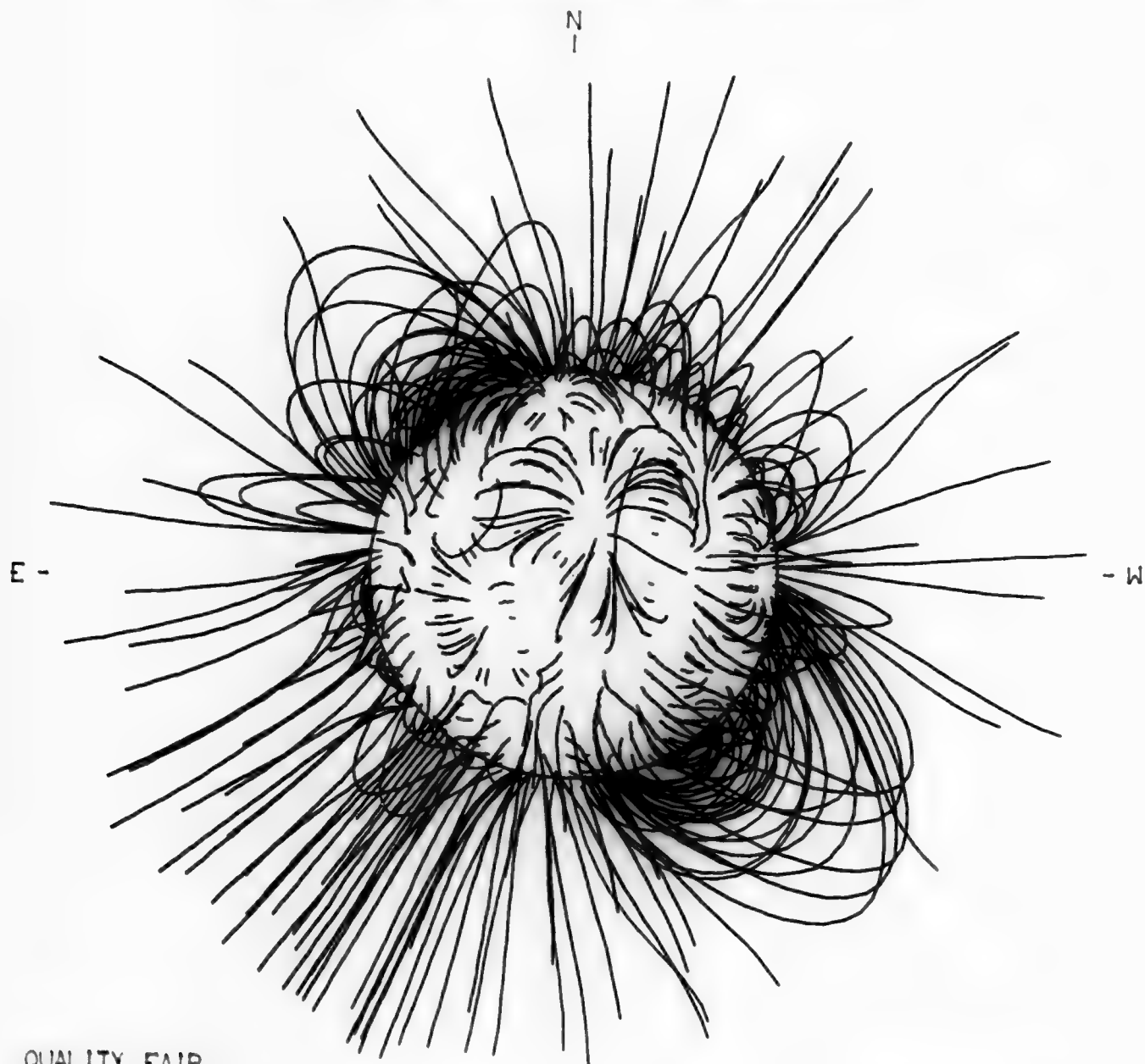


QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 140°
6.1 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

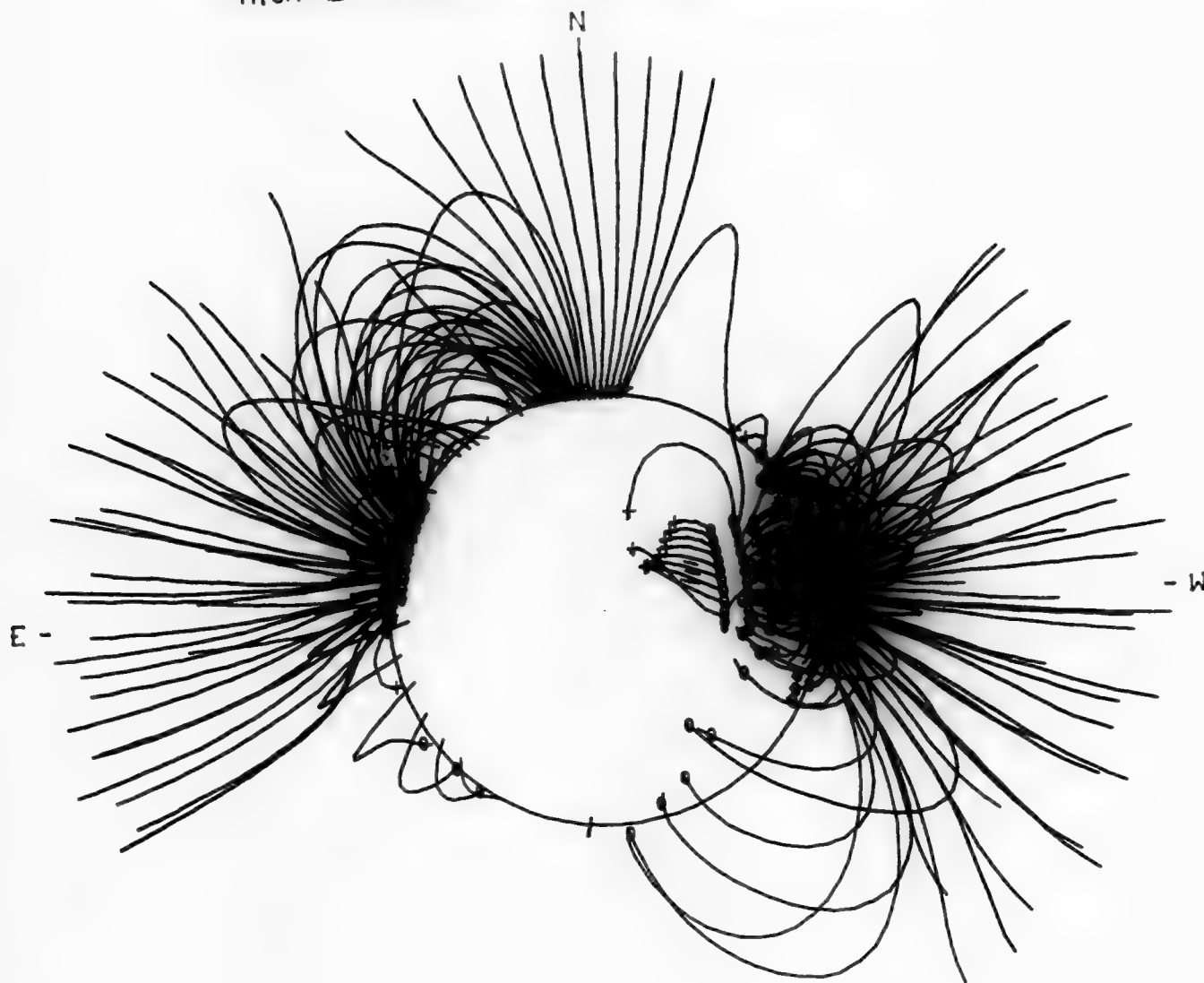
DATA WINDOW 1470.67

1
S

ROT. 1471 LONG. 130°

6.9 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

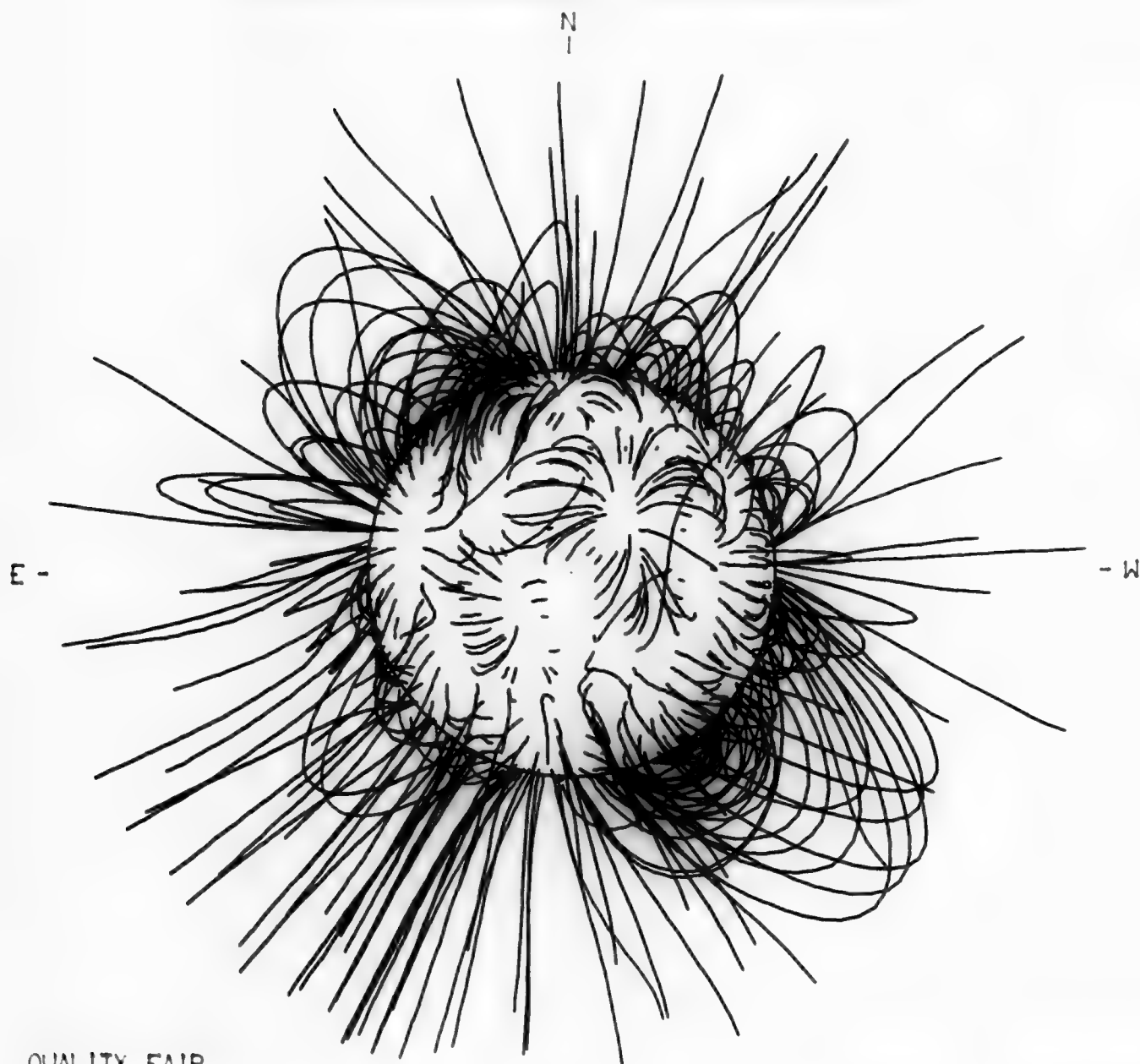


QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 130°
6.9 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

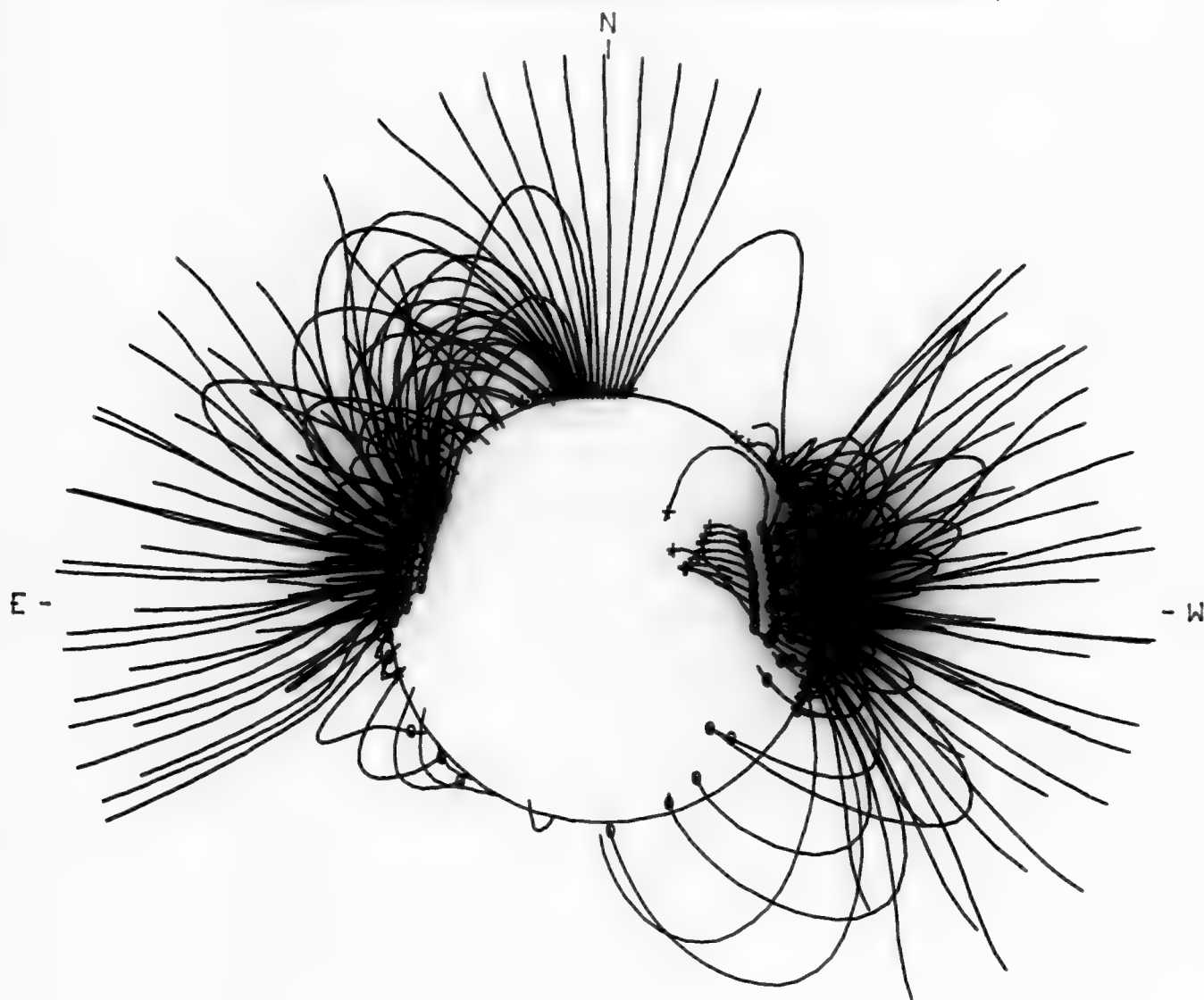
DATA WINDOW 1470.67

1
S

ROT. 1471 LONG. 120°

7.6 SEP 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR

POLES AVERAGED

DATA WINDOW 1470.67

I
S

ROT. 1471 LONG. 120°

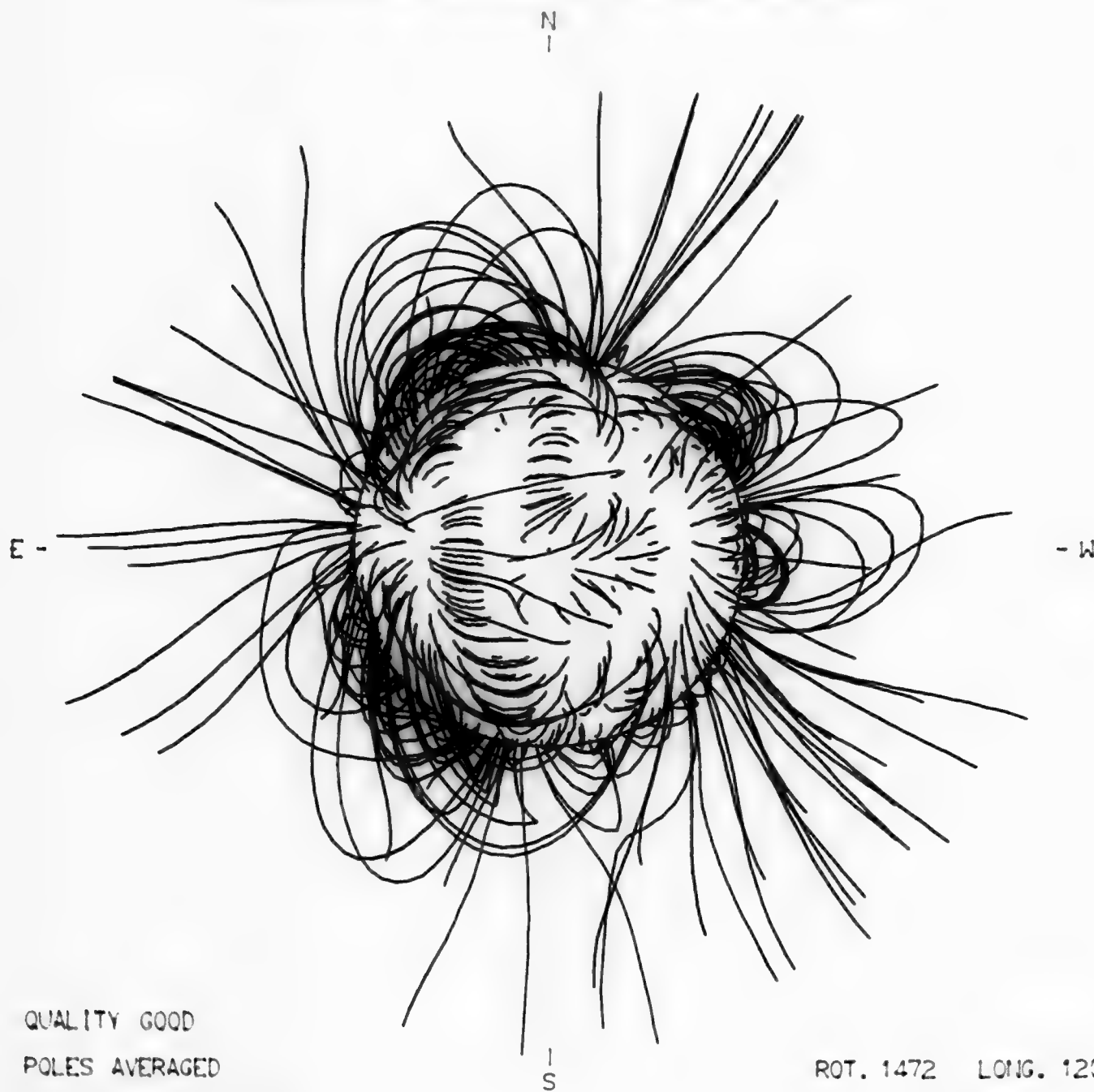
7.6 SEP 1963

NO OBSERVATIONS

ROT. 1471 LONG. 110--ROT. 1472 LONG. 130

7.7 SEP 1963-- 4.2 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



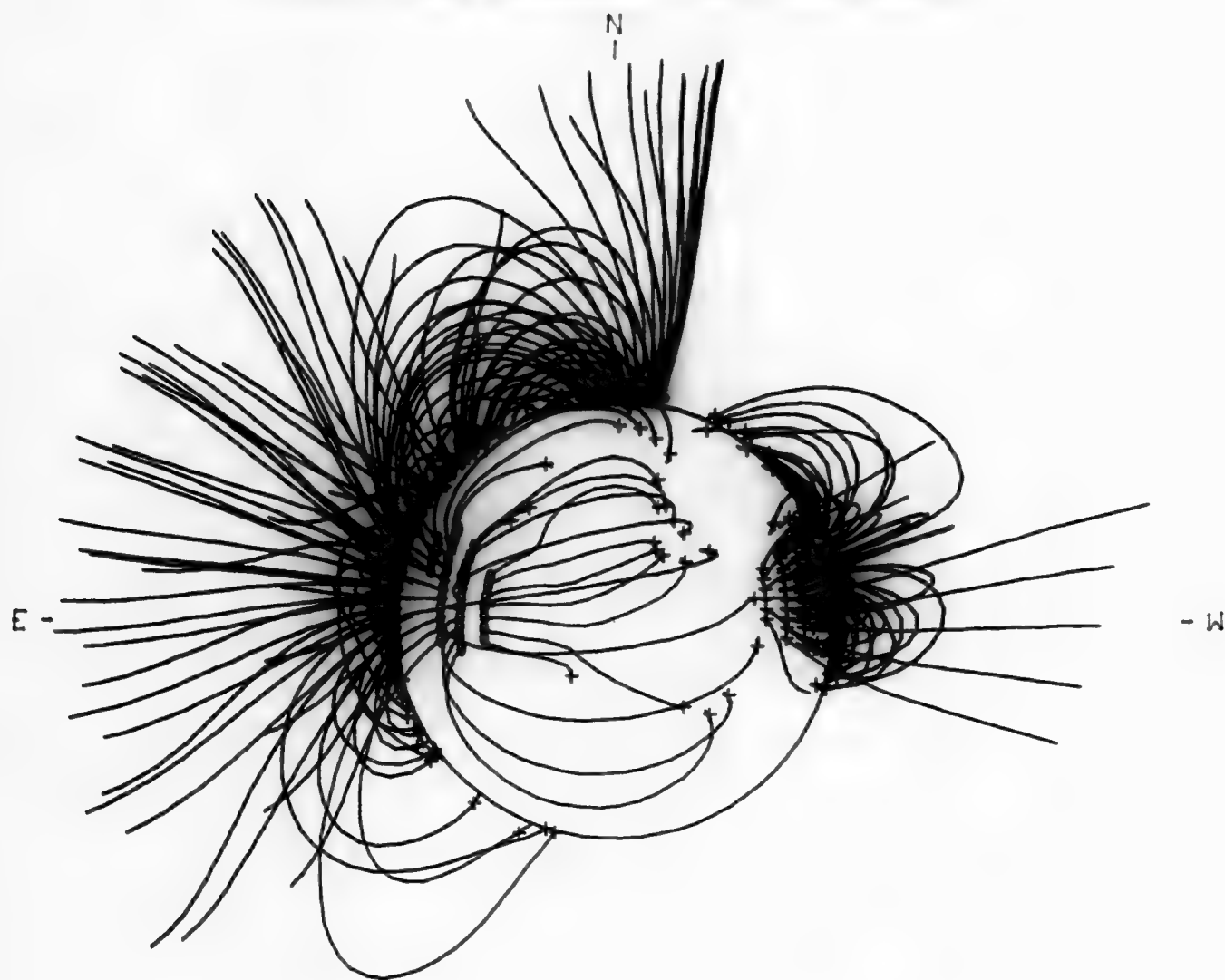
QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1472.64

ROT. 1472 LONG. 120°
4.9 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

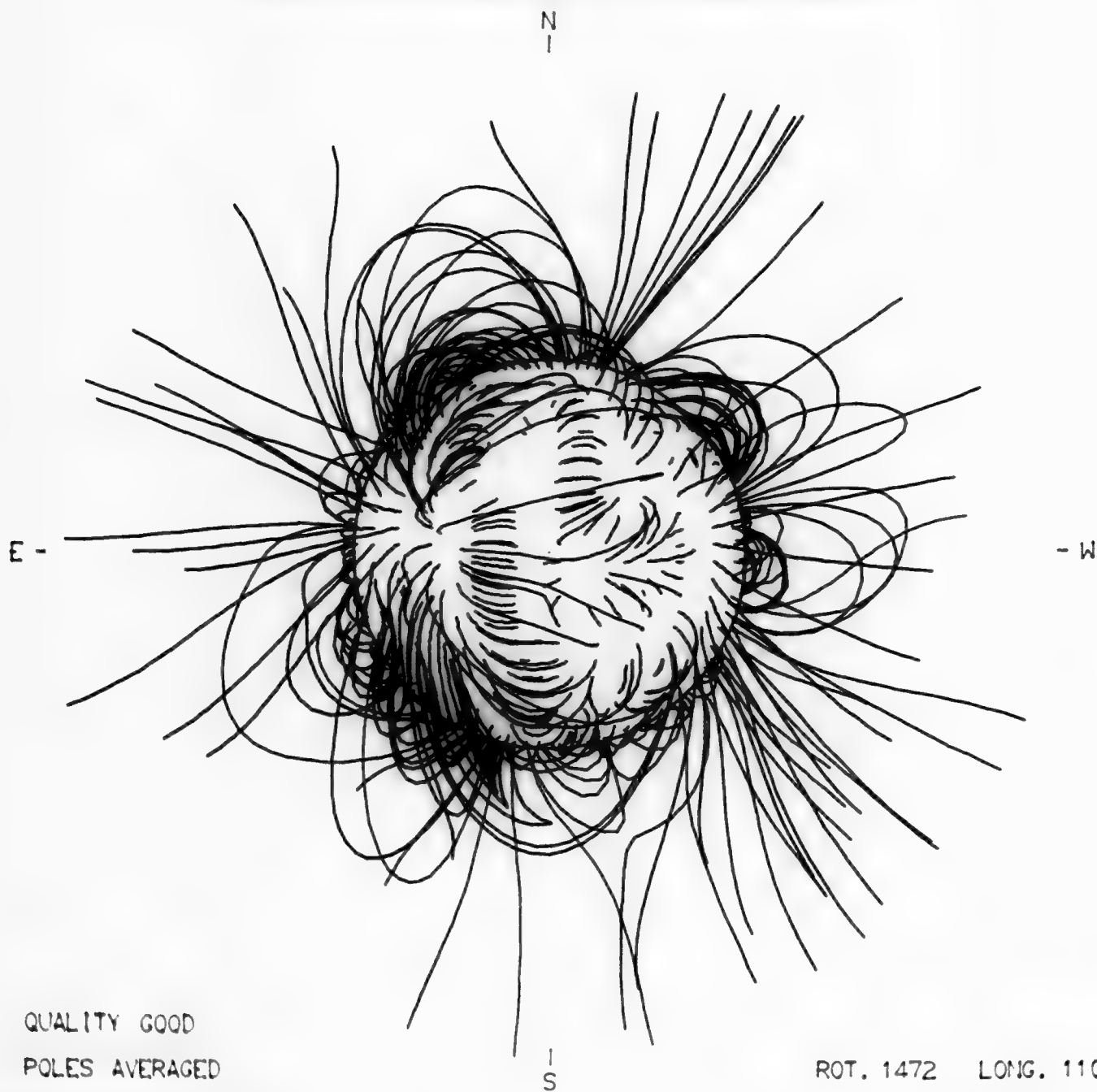
DATA WINDOW 1472.64

1
S

ROT. 1472 LONG. 120°

4.9 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

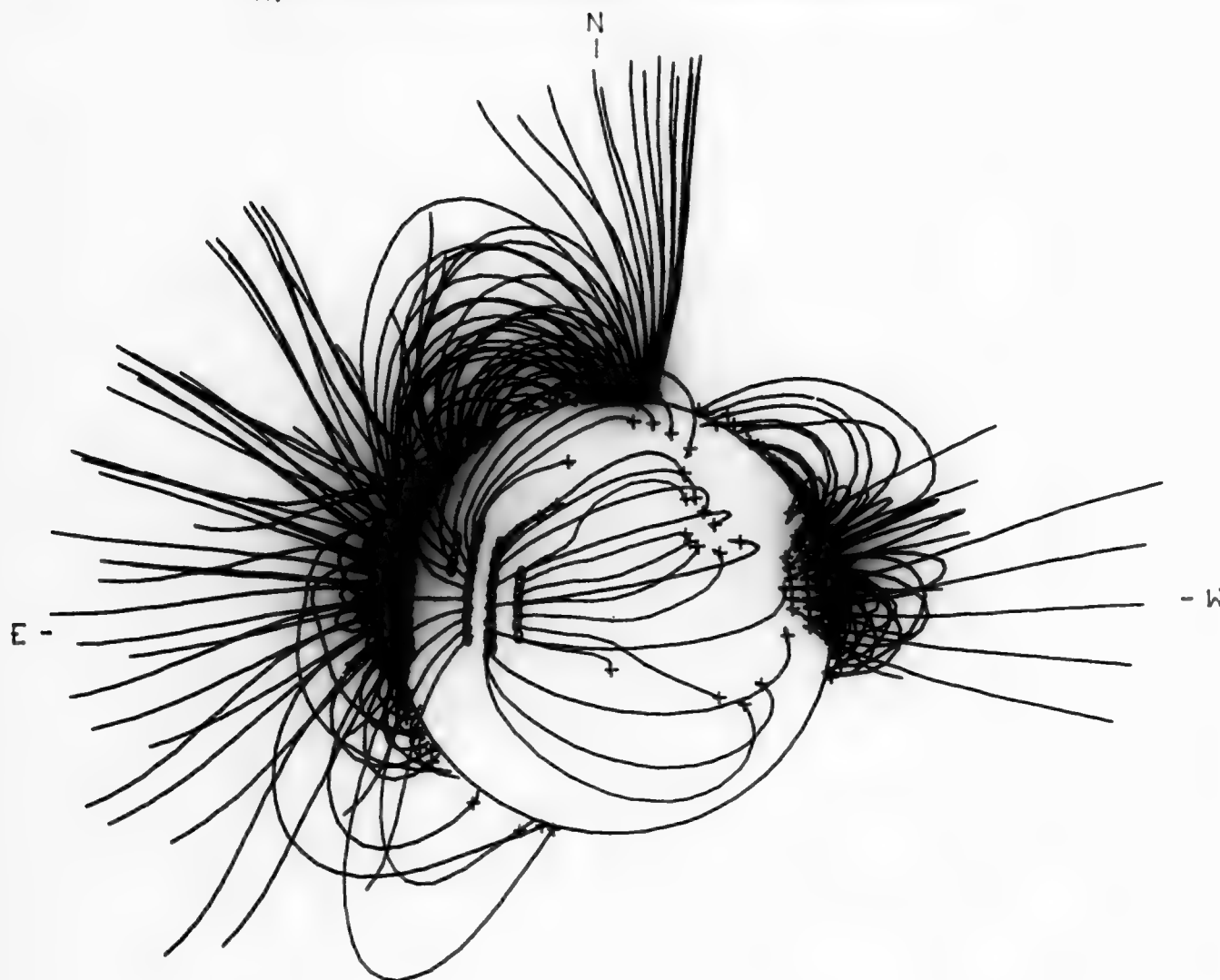
POLES AVERAGED

DATA WINDOW 1472.64

ROT. 1472 LONG. 110°

5.6 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



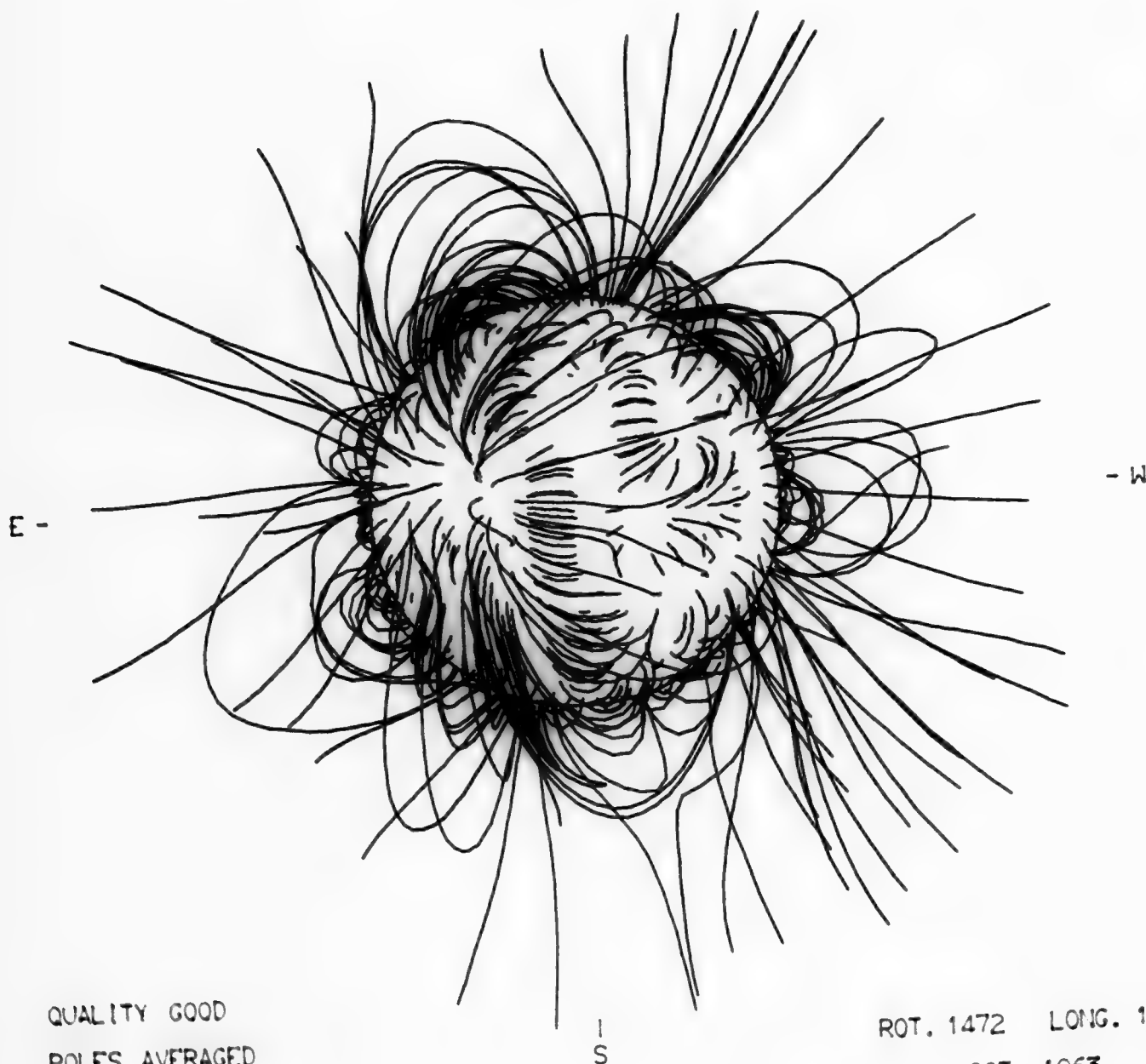
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

1
S

ROT. 1472 LONG. 110°
5.6 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

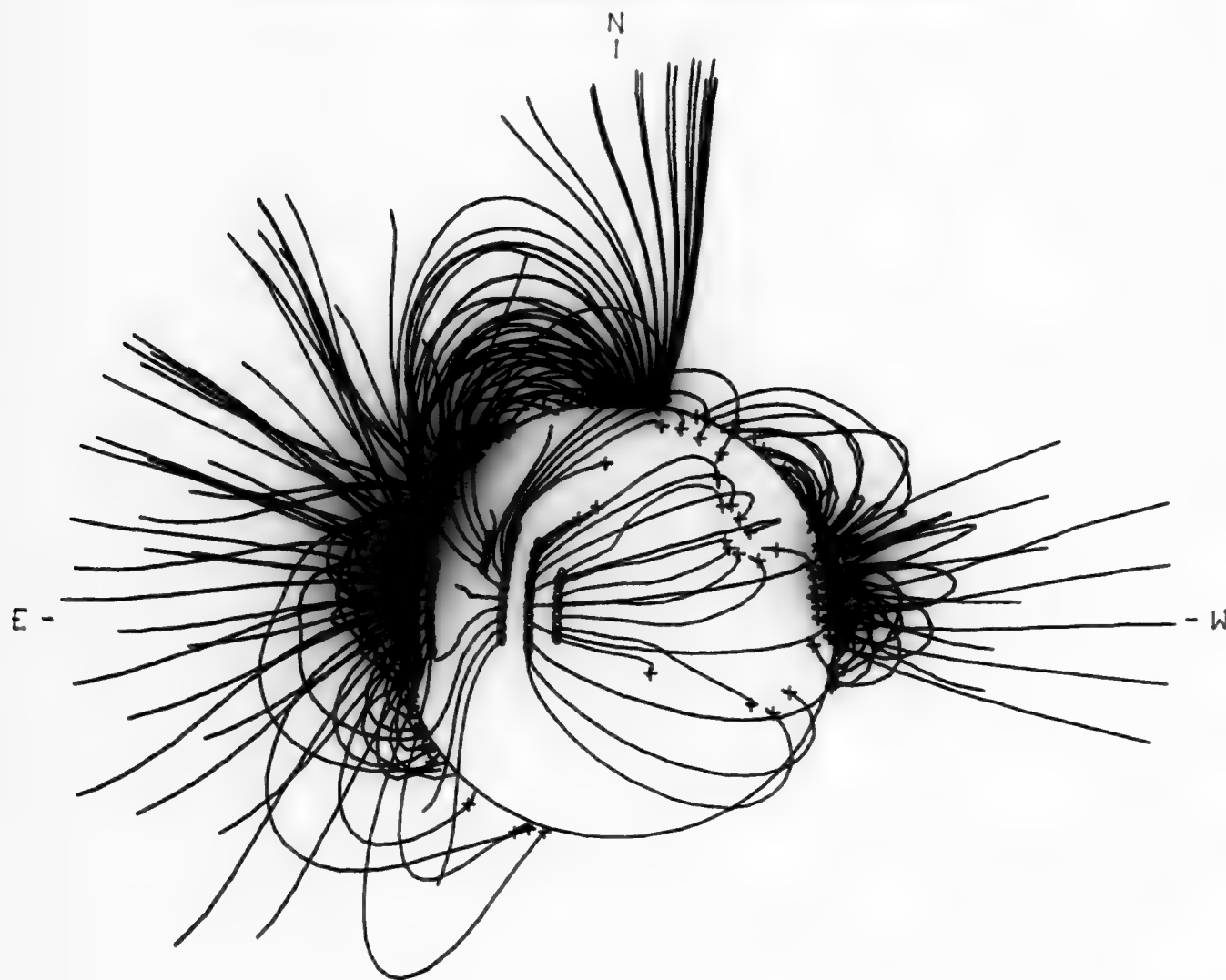
N
|



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

ROT. 1472 LONG. 100°
6.4 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

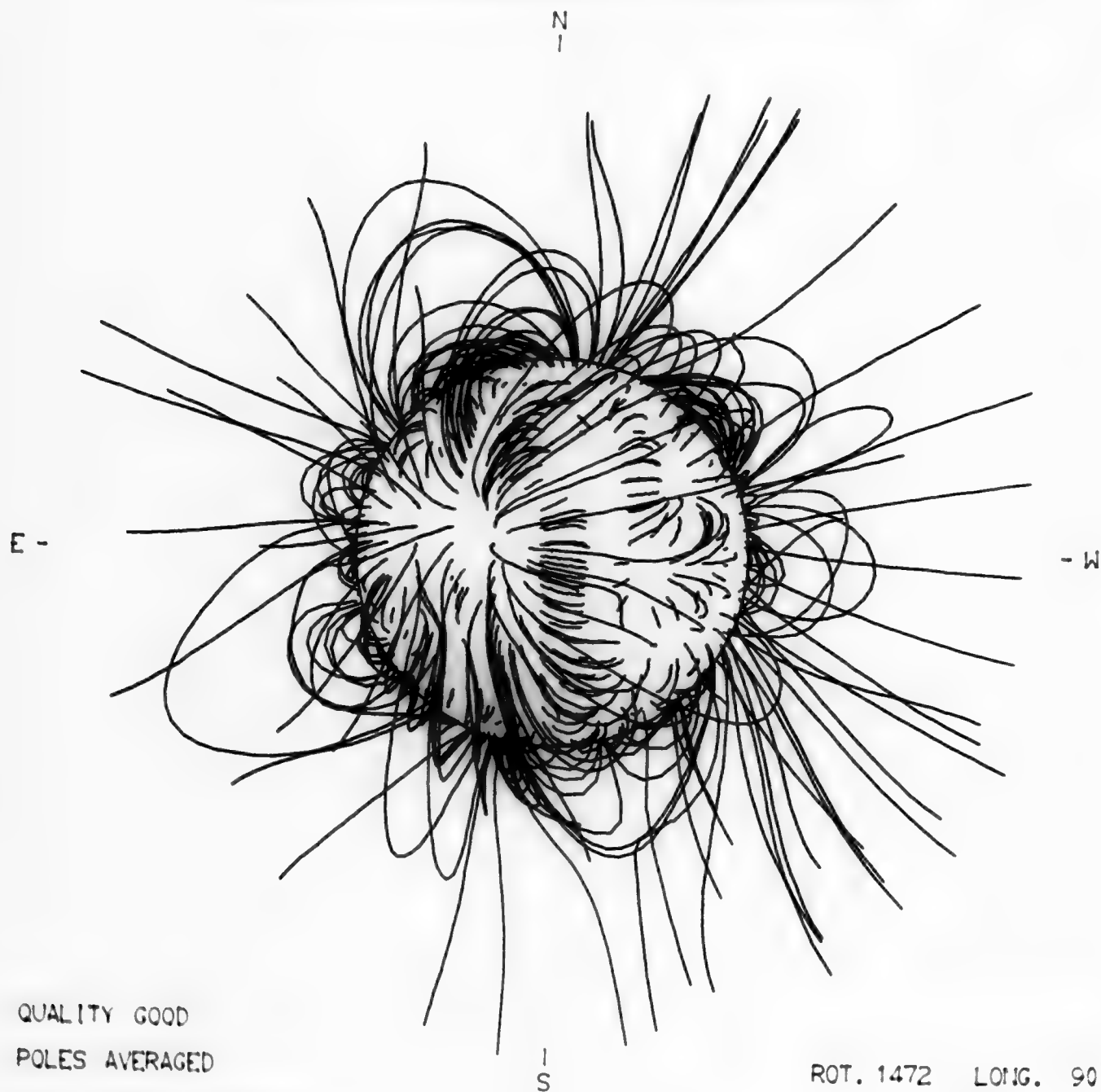
DATA WINDOW 1472.64

I
S

ROT. 1472 LONG. 100°

6.4 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

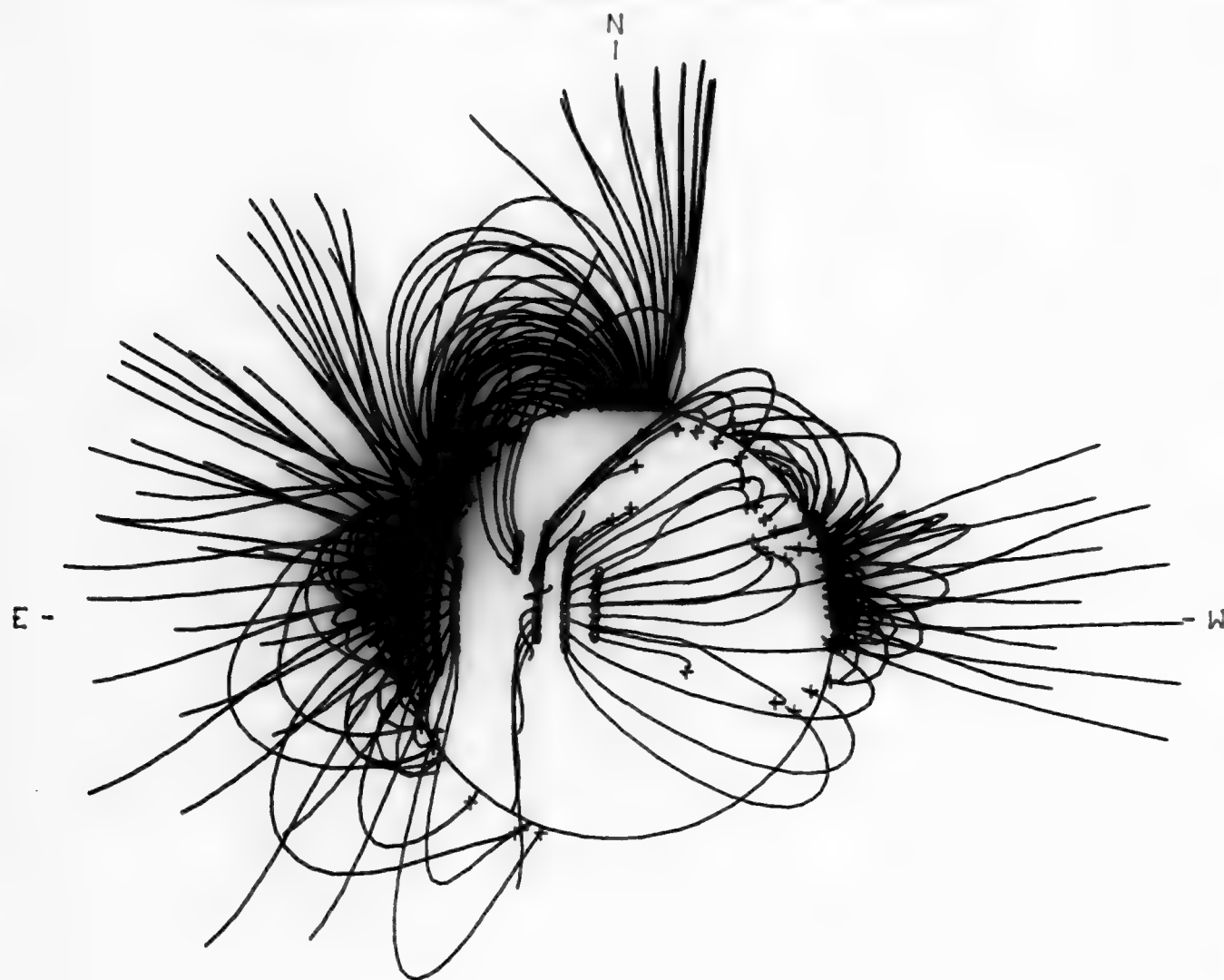
POLES AVERAGED

DATA WINDOW 1472.64

ROT. 1472 LONG. 90°

7.1 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

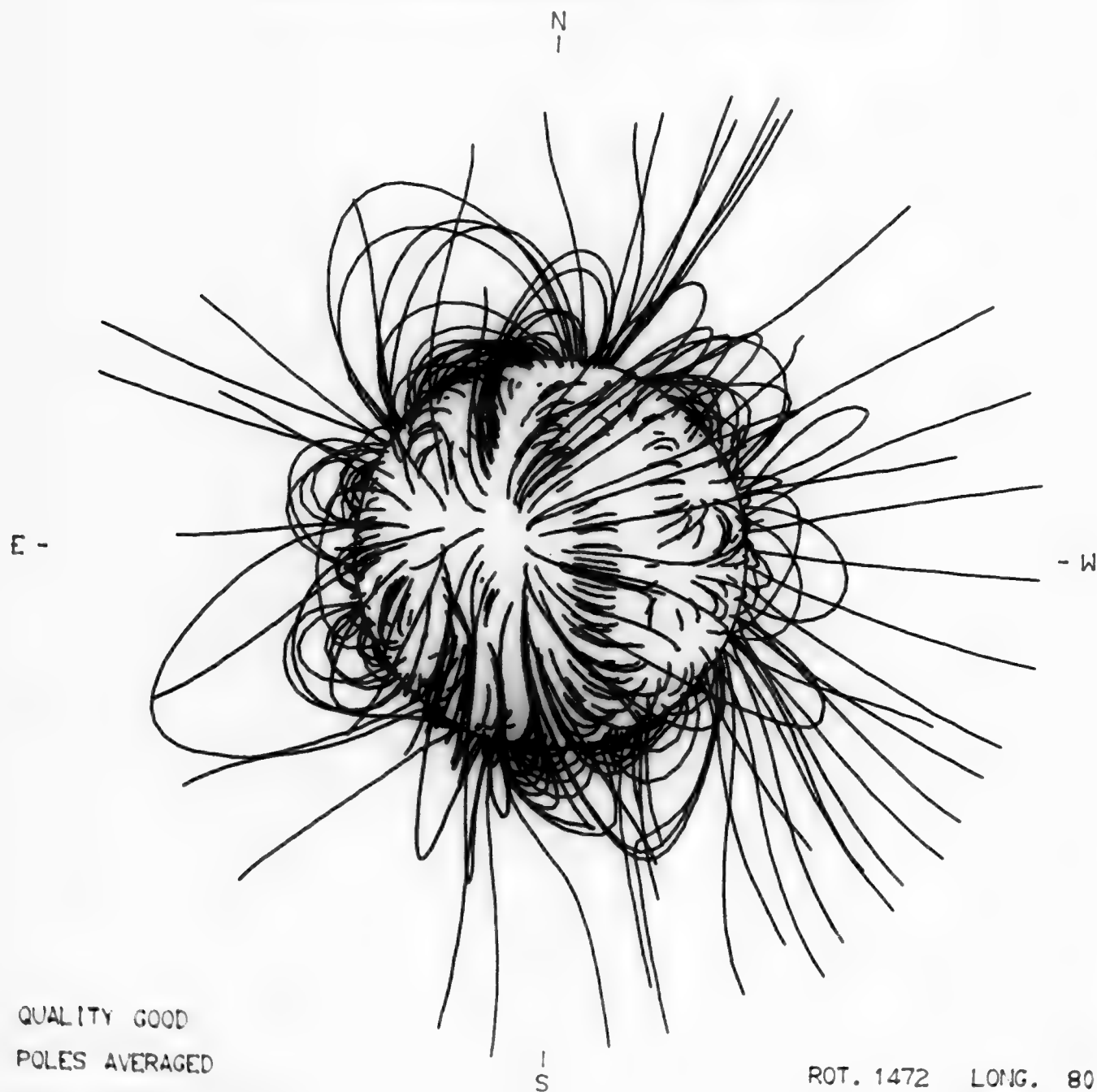
DATA WINDOW 1472.64

S

ROT. 1472 LONG. 90°

7.1 OCT 1963

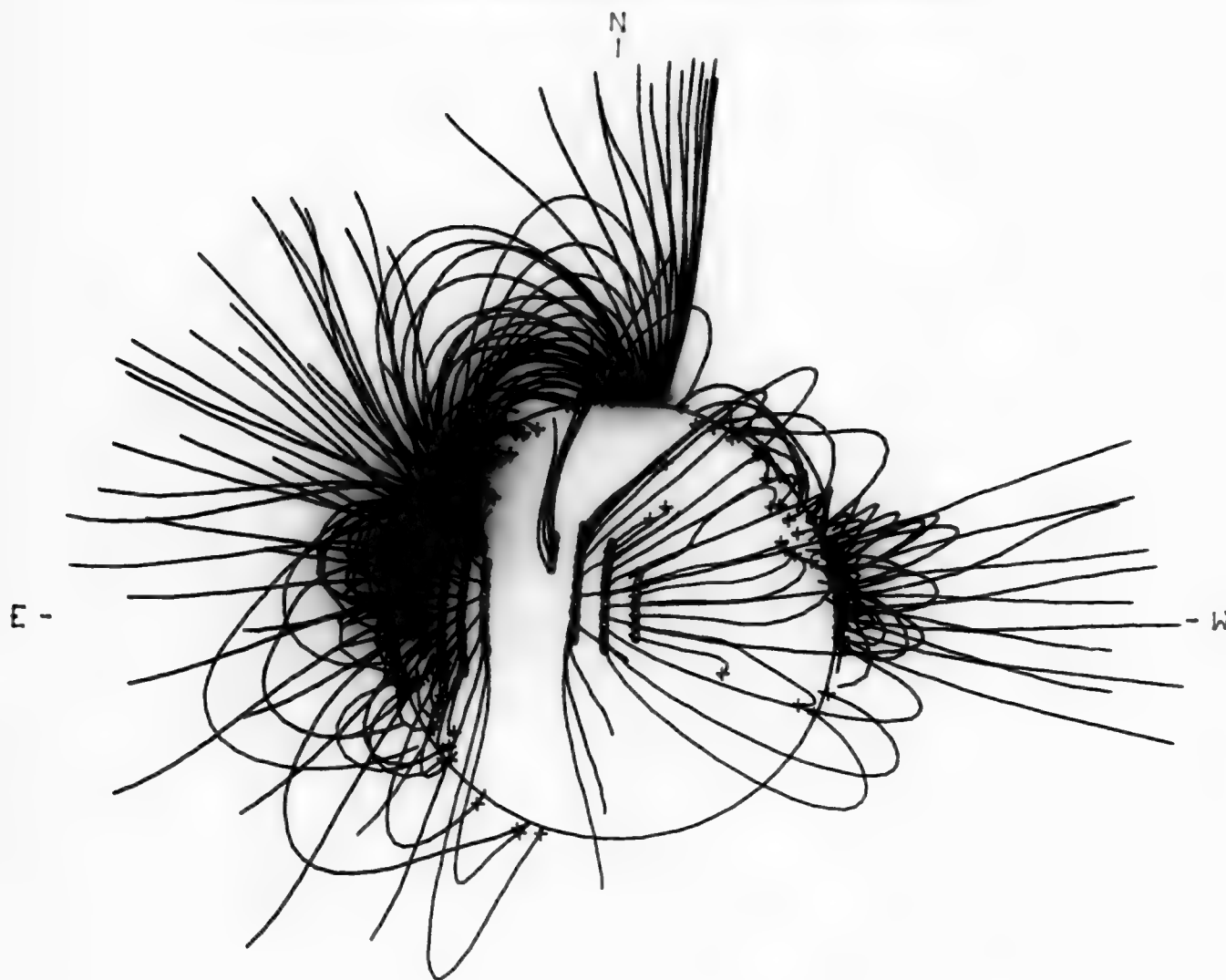
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

ROT. 1472 LONG. 80°
7.9 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

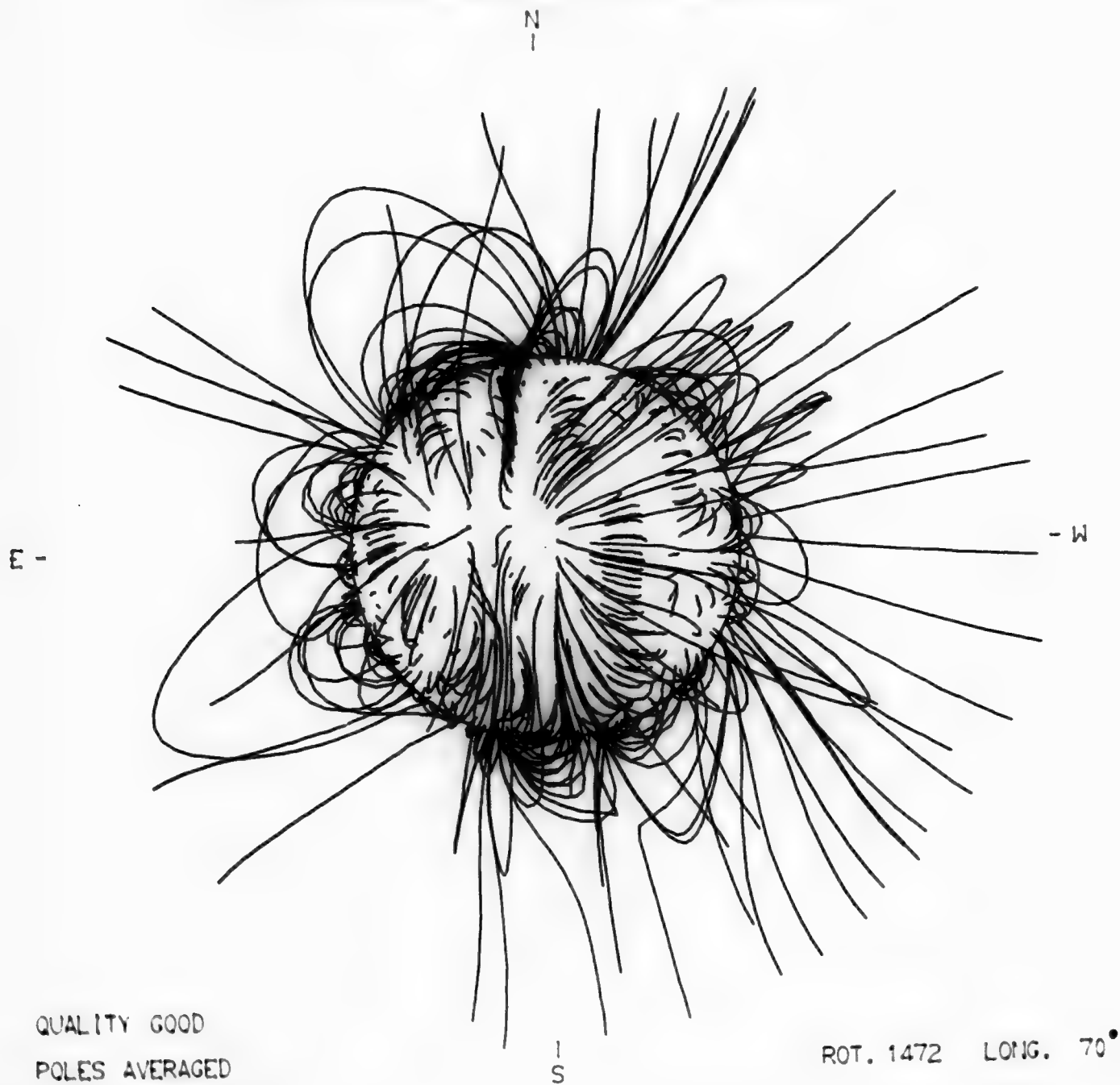
DATA WINDOW 1472.64

I
S

ROT. 1472 LONG. 80°

7.9 OCT 1963

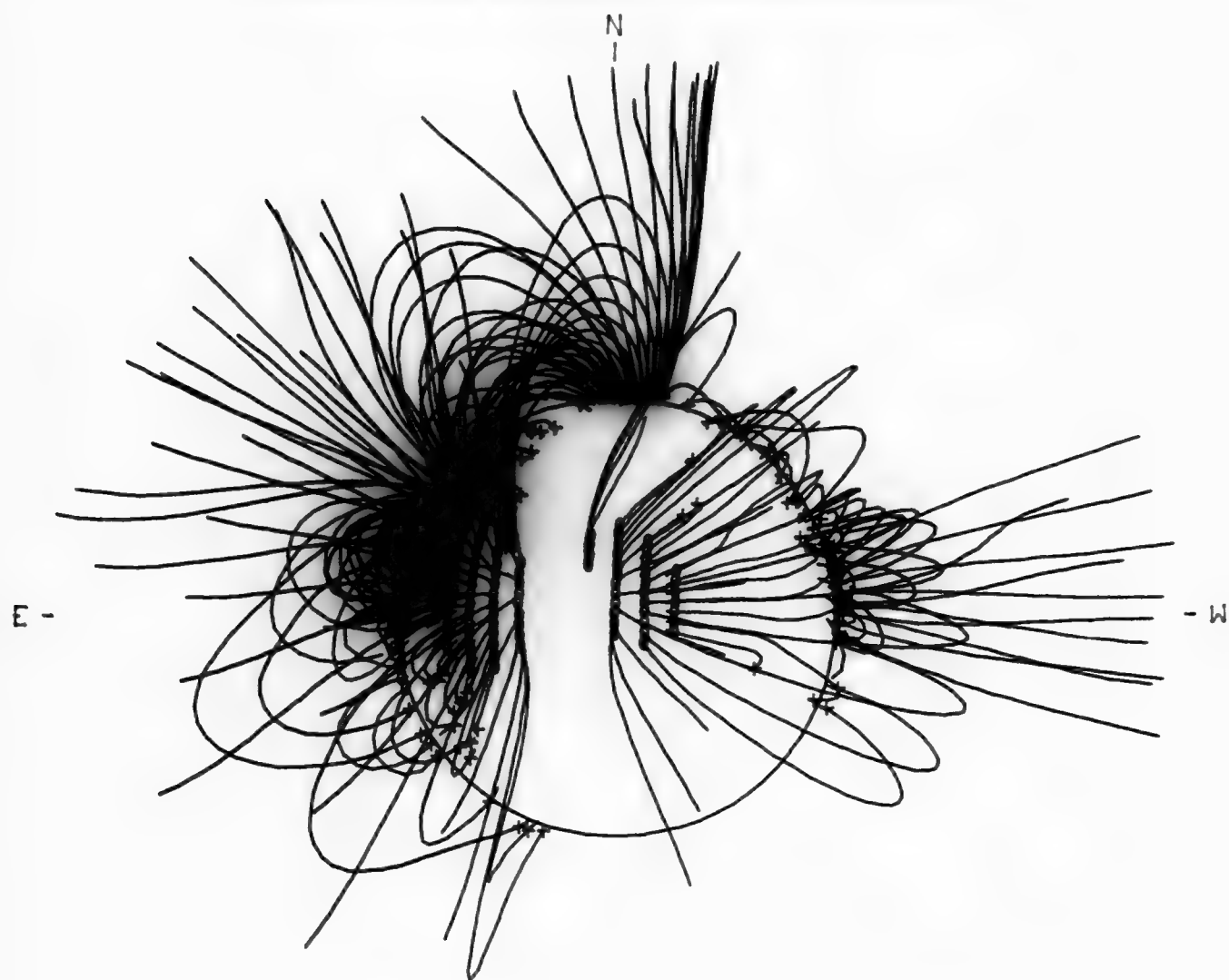
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

ROT. 1472 LONG. 70°
8.7 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

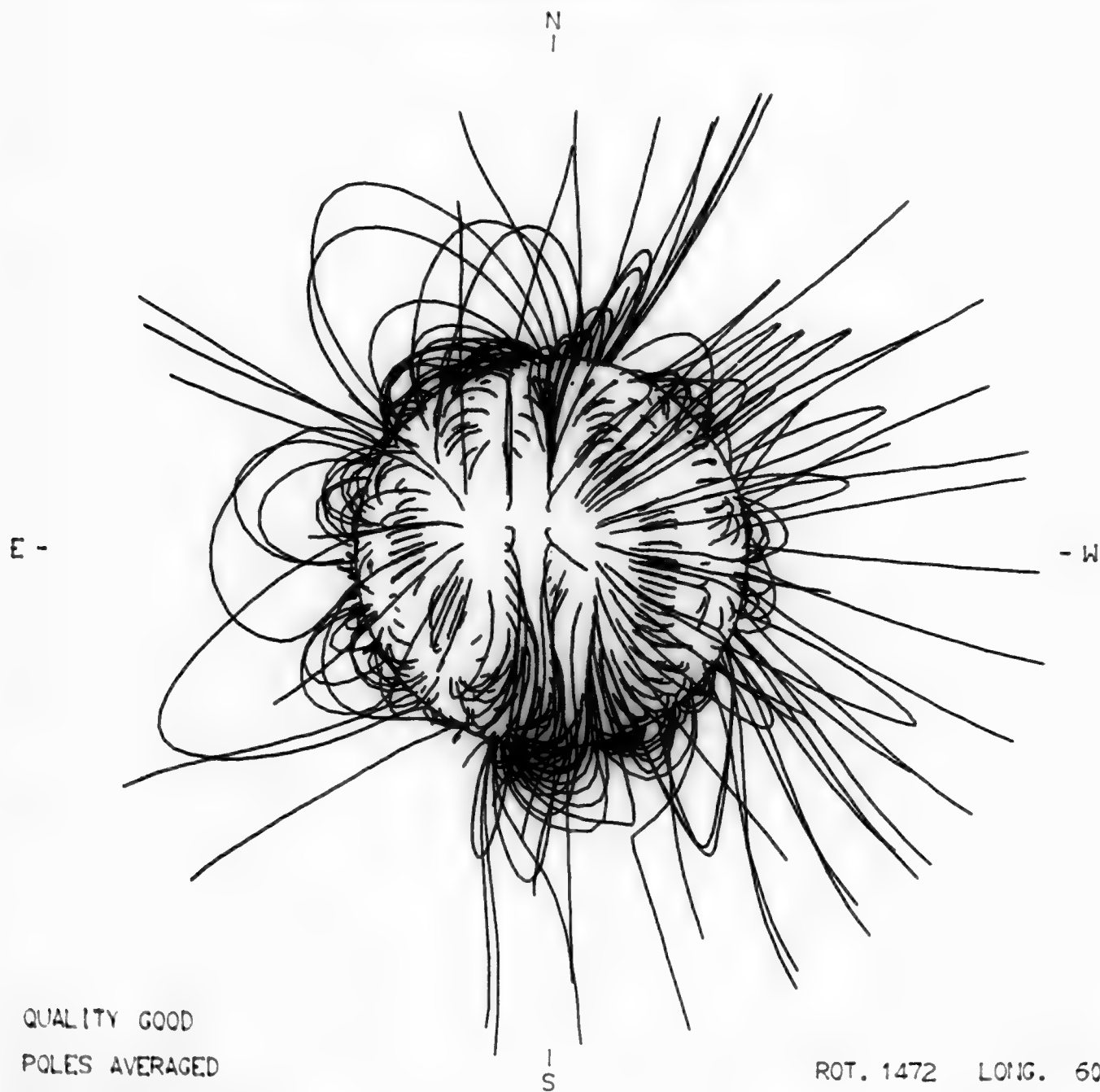
DATA WINDOW 1472.64

I
S

ROT. 1472 LONG. 70°

8.7 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



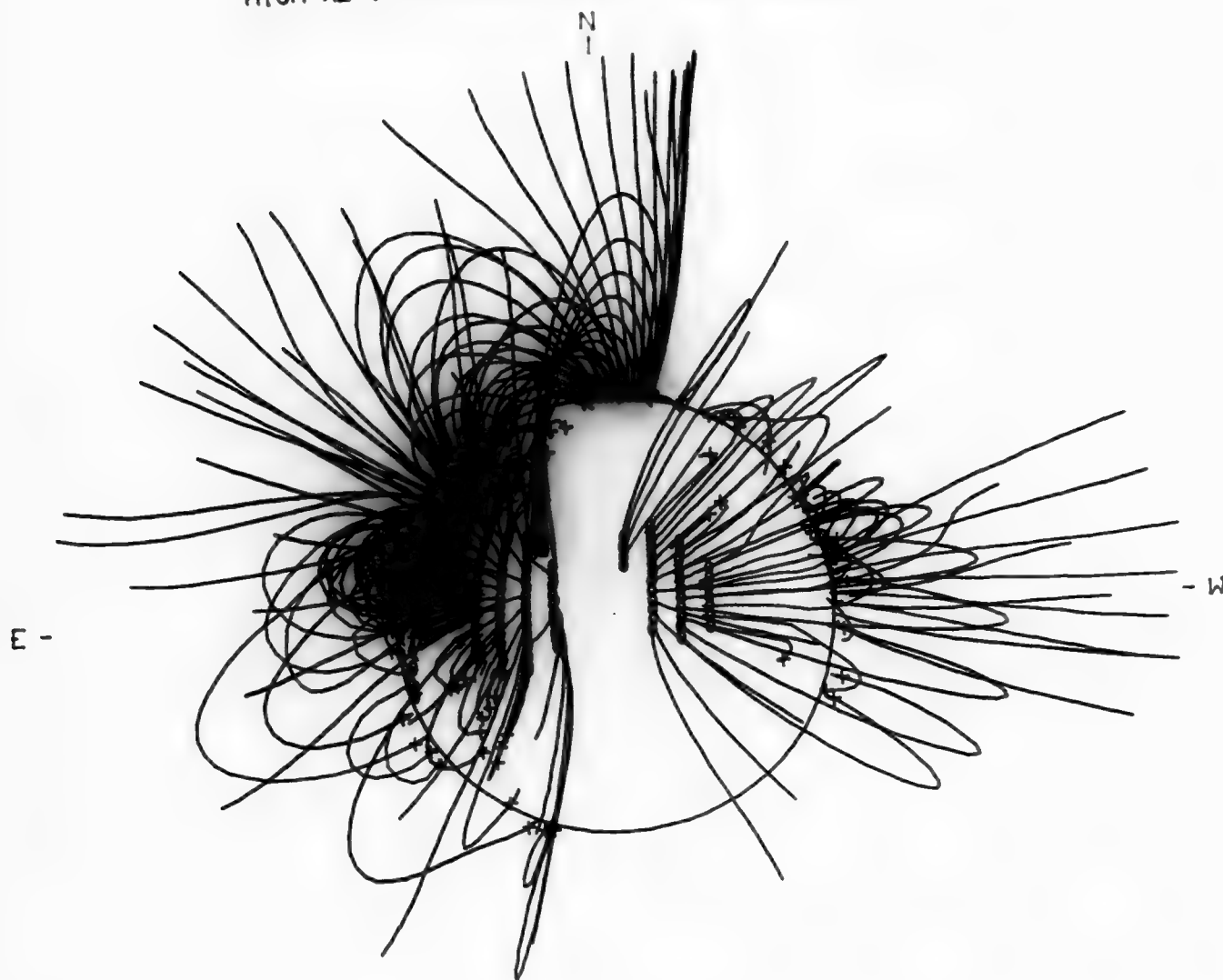
QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1472.64

ROT. 1472 LONG. 60°
9.4 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

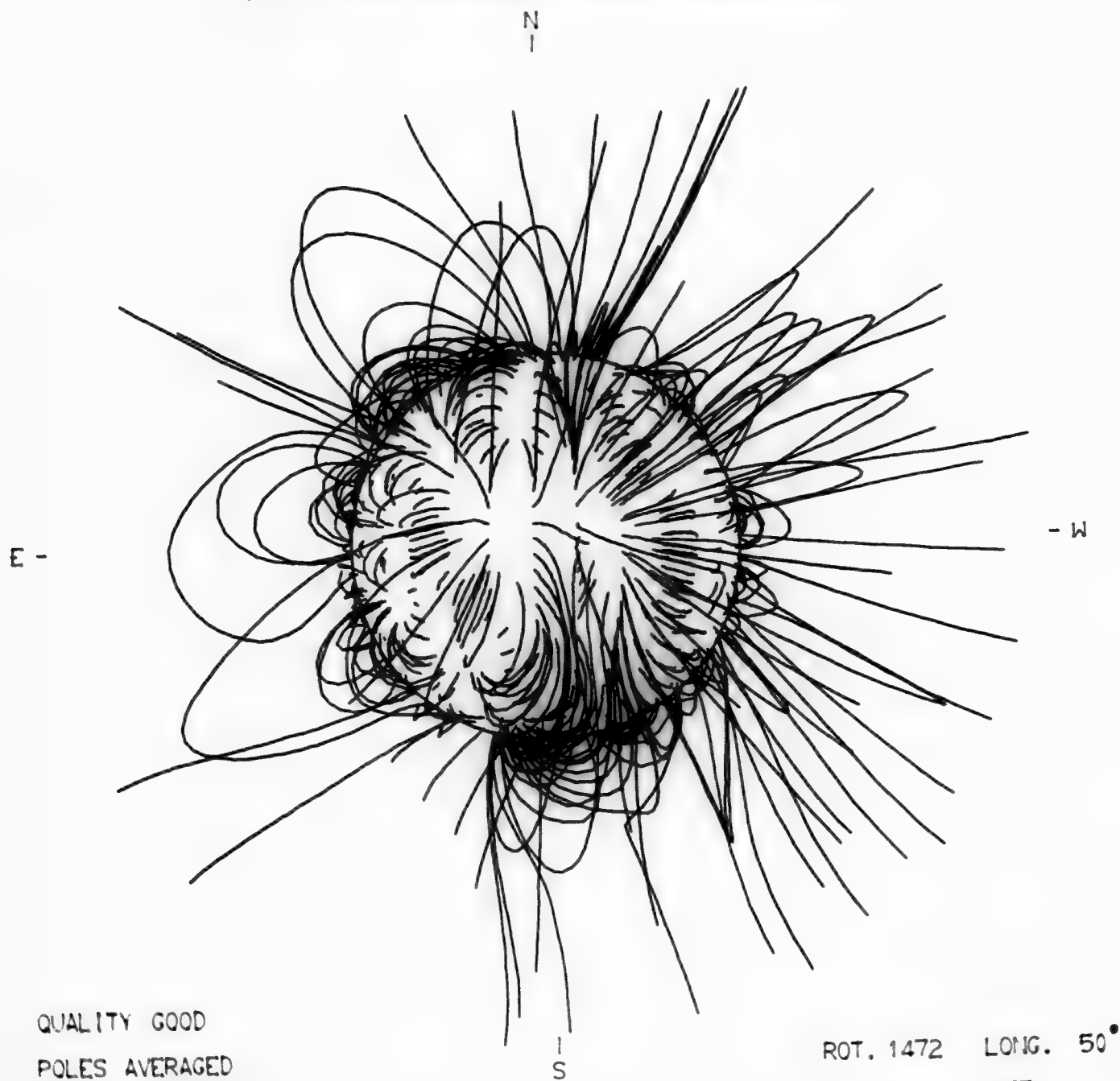


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

I
S

ROT. 1472 LONG. 60°
9.4 OCT 1963

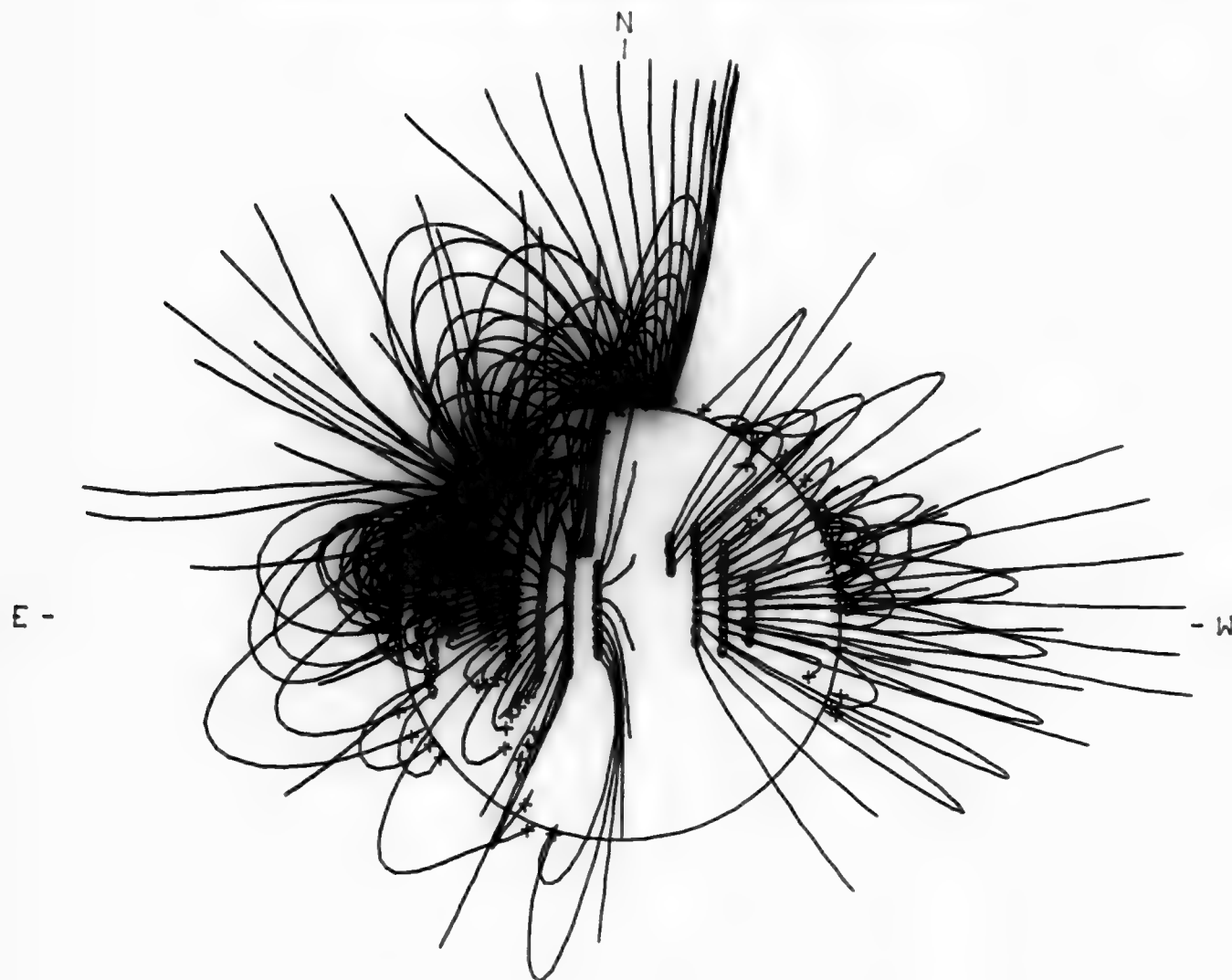
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

ROT. 1472 LONG. 50°
10.2 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

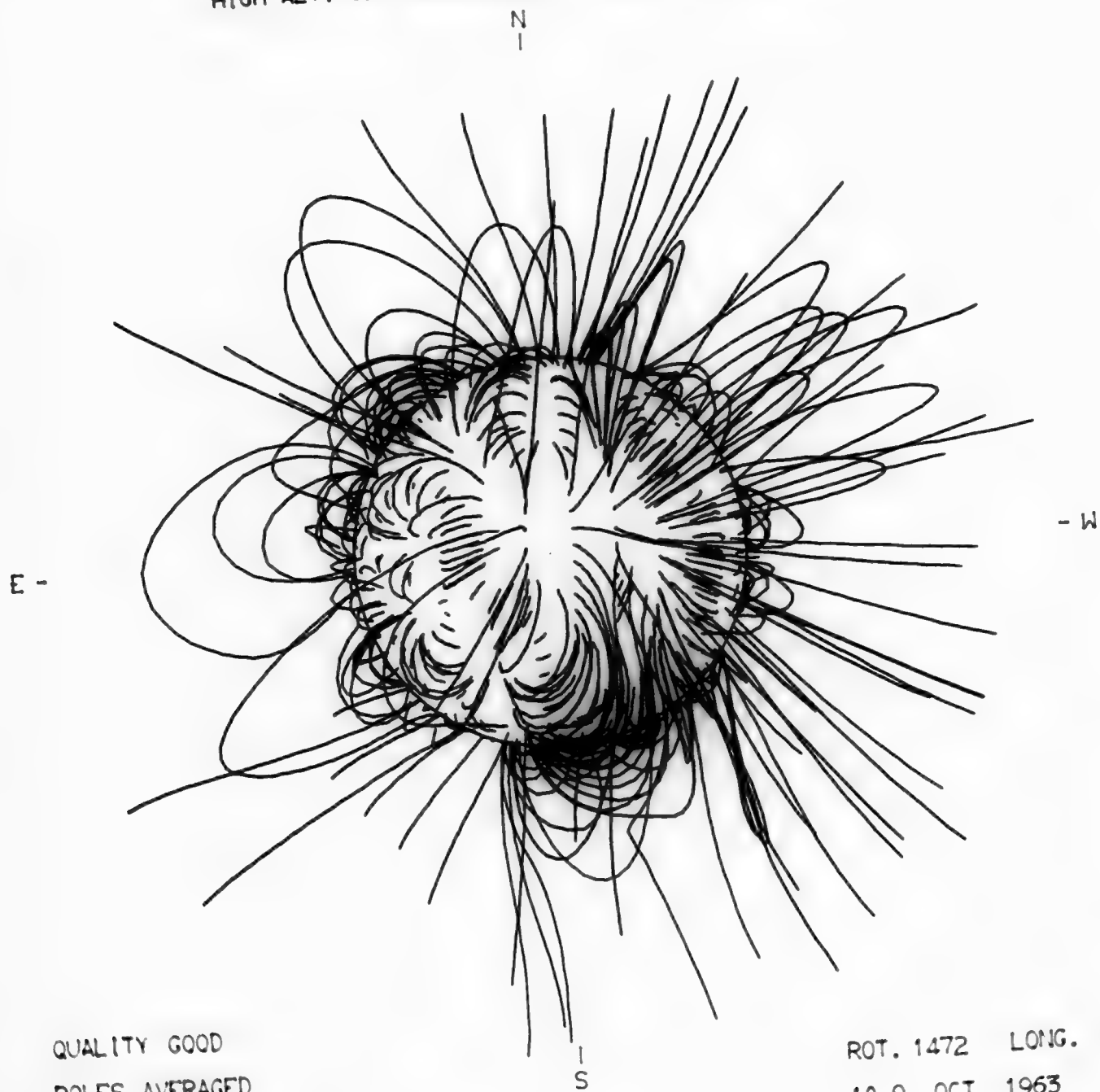
DATA WINDOW 1472.64

1
S

ROT. 1472 LONG. 50°

10.2 OCT 1963

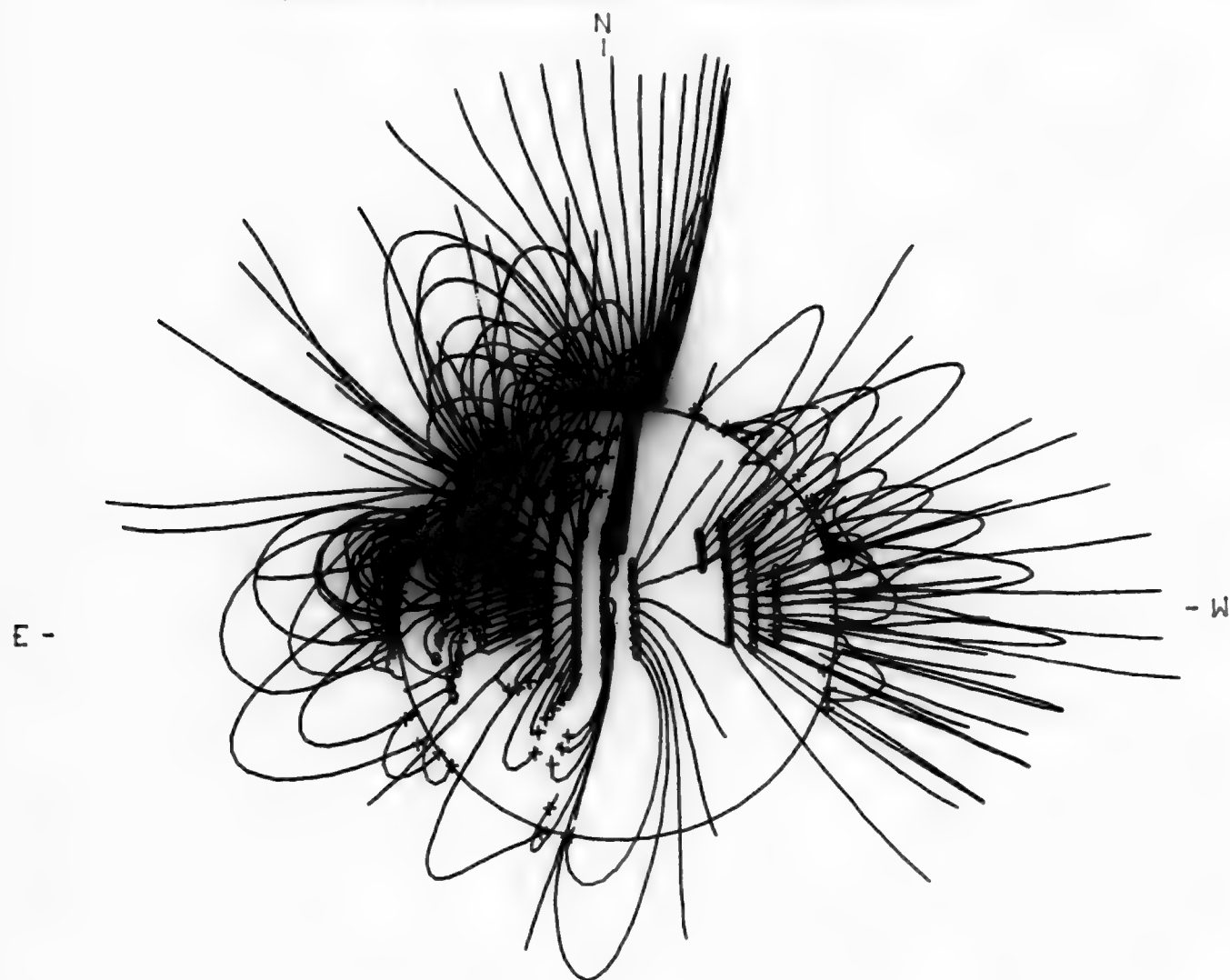
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

ROT. 1472 LONG. 40°
10.9 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

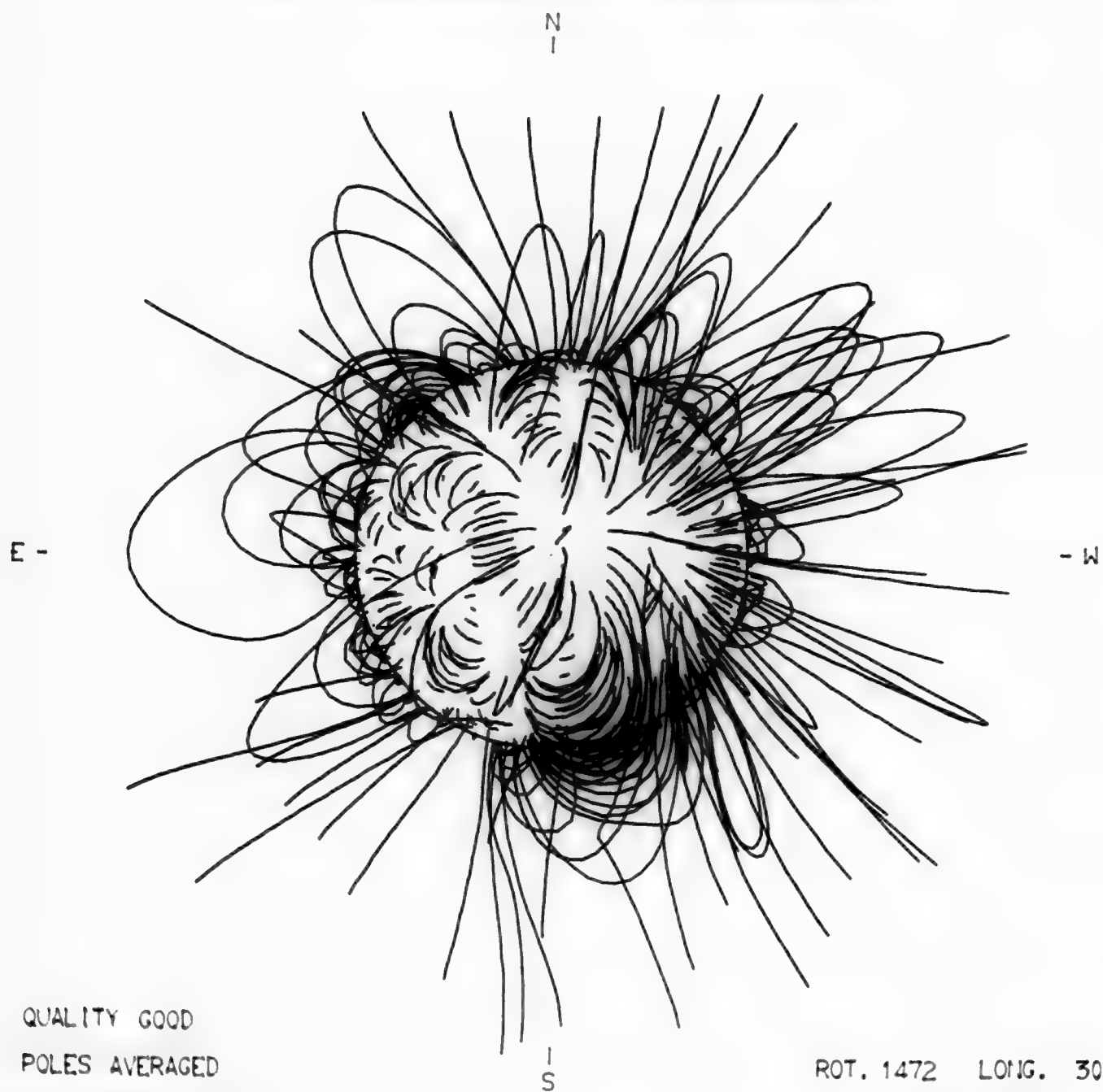


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

1
S

ROT. 1472 LONG. 40°
10.9 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

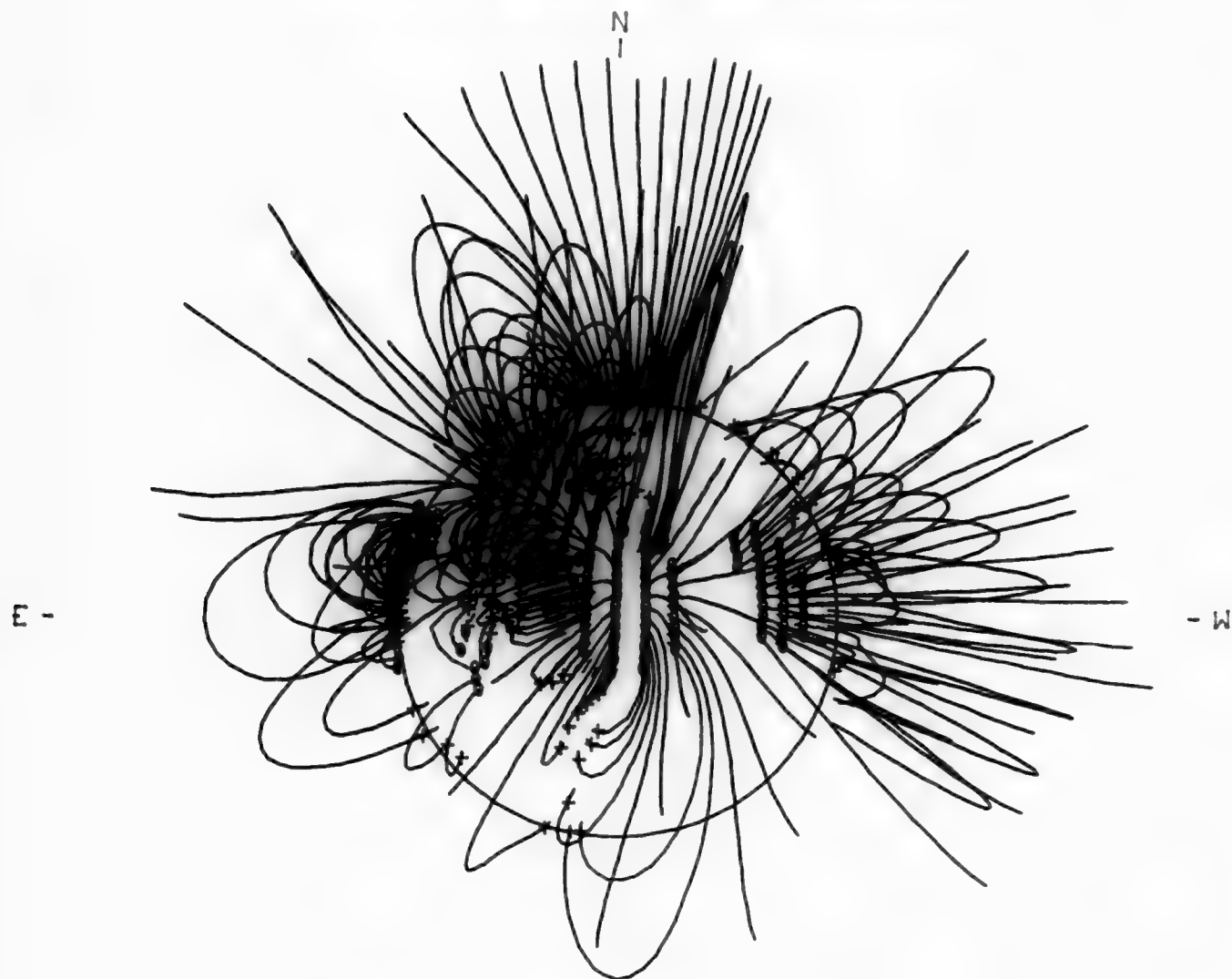
POLES AVERAGED

DATA WINDOW 1472.64

ROT. 1472 LONG. 30°

11.7 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

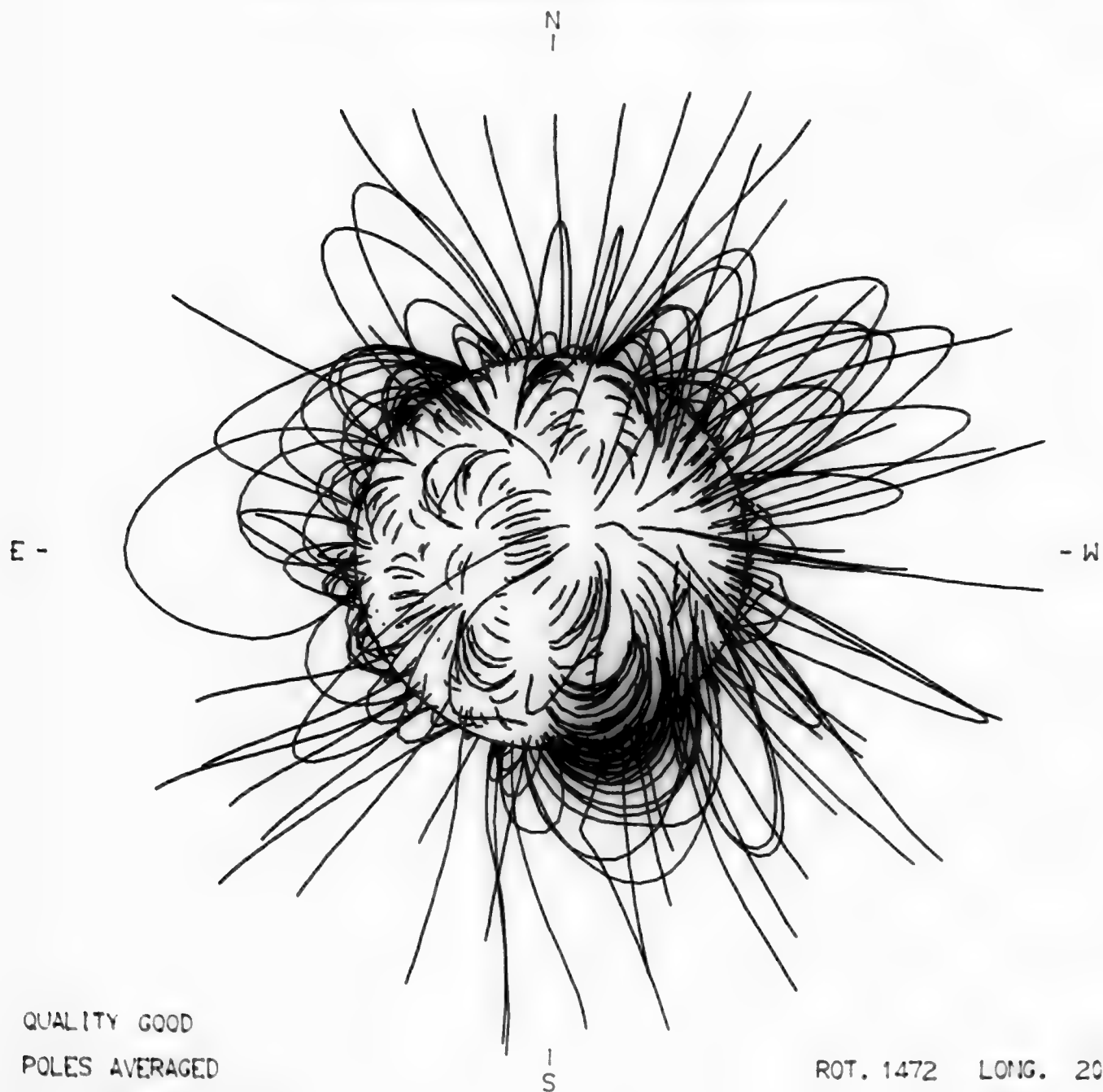
DATA WINDOW 1472.64

1
S

ROT. 1472 LONG. 30°

11.7 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

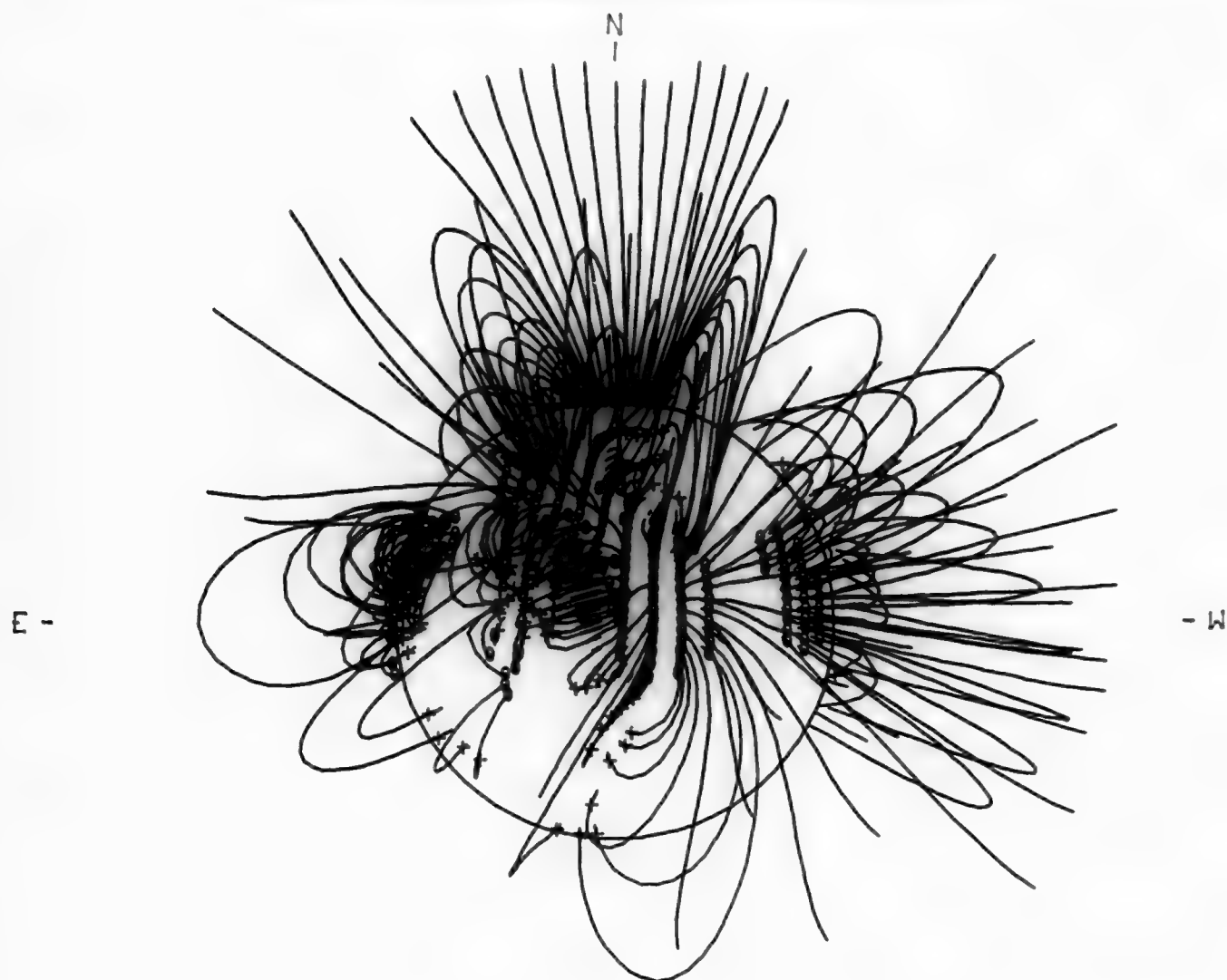
POLES AVERAGED

DATA WINDOW 1472.64

ROT. 1472 LONG. 20°

12.4 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

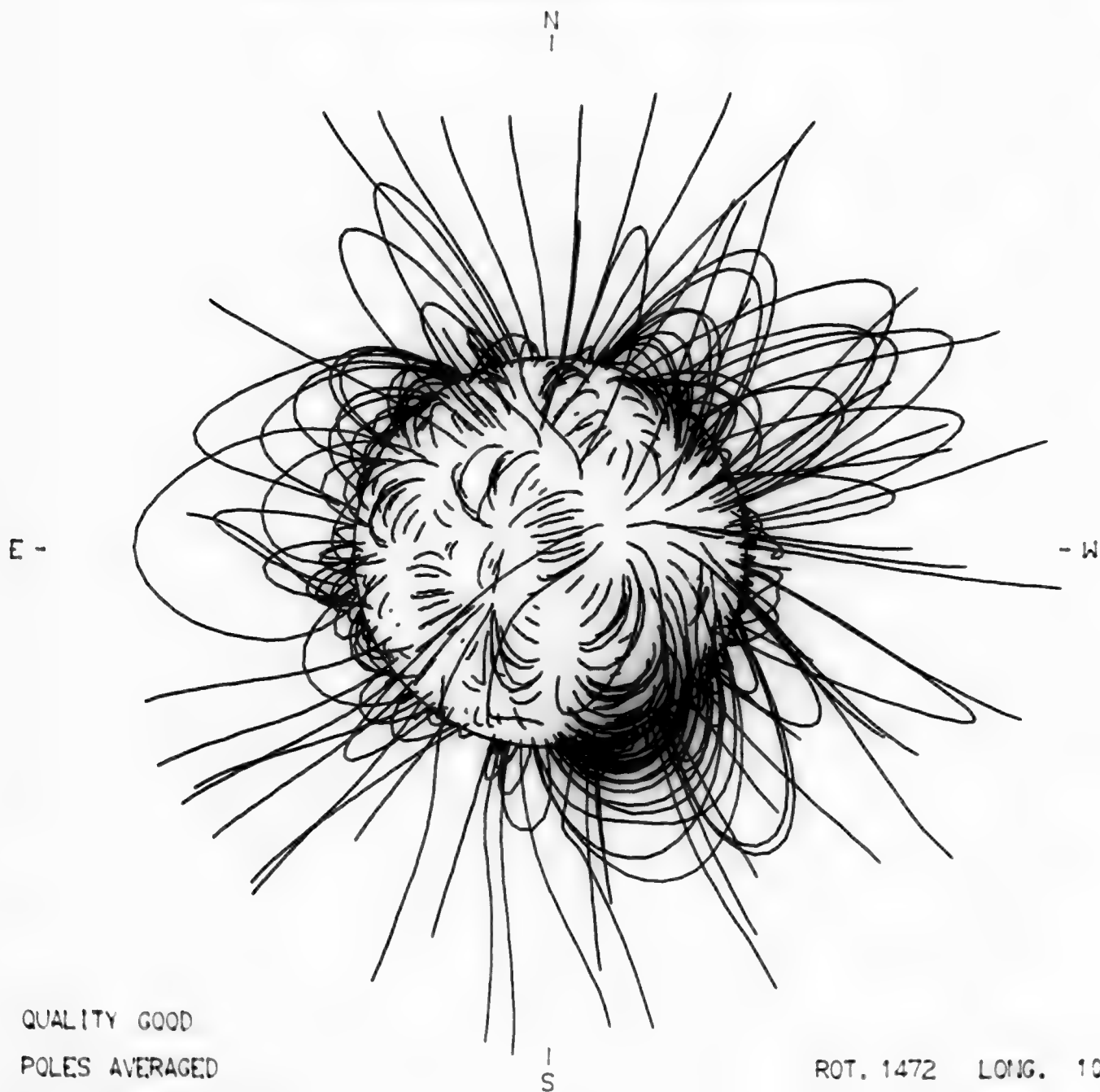
DATA WINDOW 1472.64

1
S

ROT. 1472 LONG. 20°

12.4 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

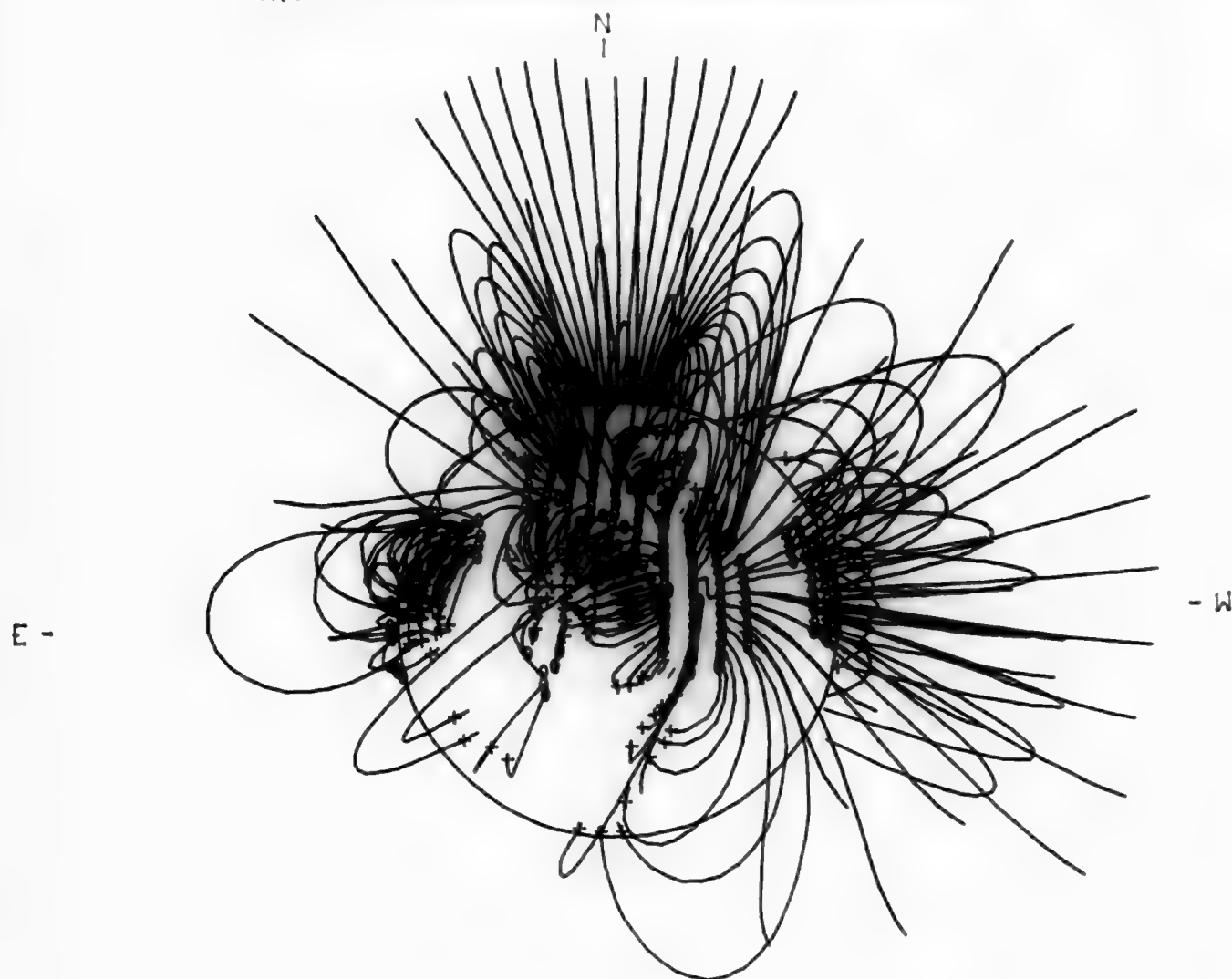
POLES AVERAGED

DATA WINDOW 1472.64

ROT. 1472 LONG. 10°

13.2 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

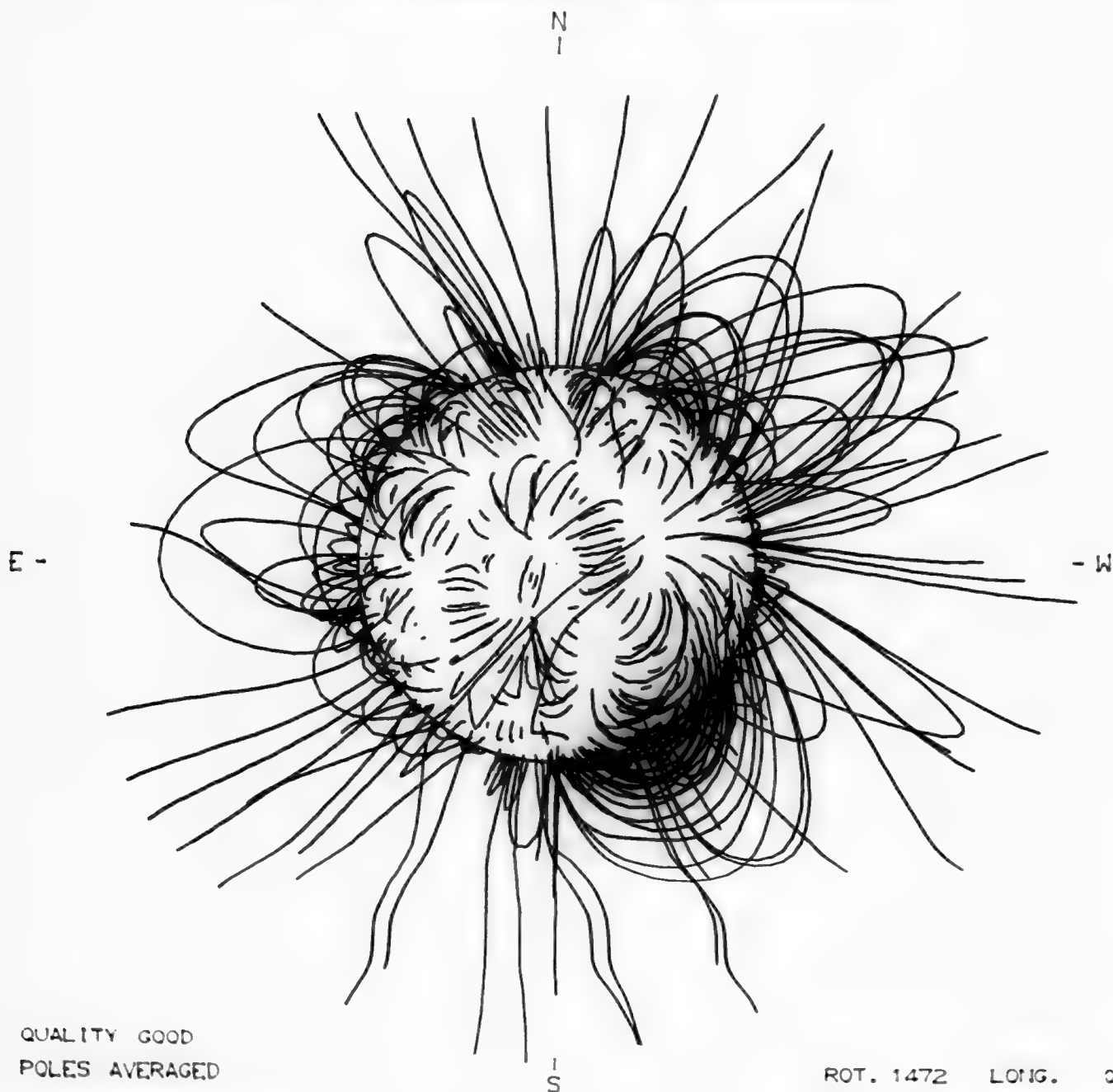


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

1
S

ROT. 1472 LONG. 10°
13.2 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



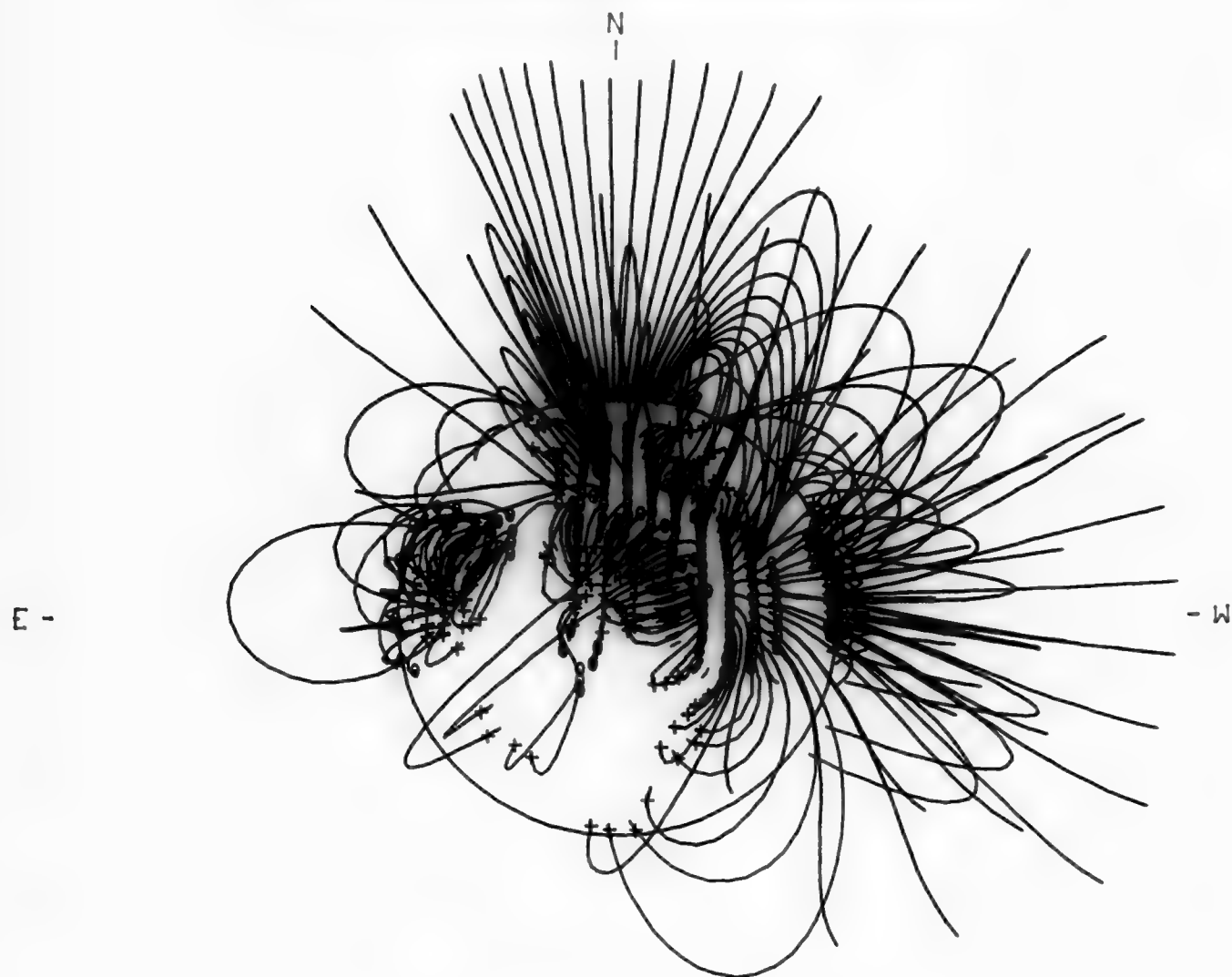
QUALITY GOOD
POLES AVERAGED

DATA WINDOW 1472.61

ROT. 1472 LONG. 0°

14.0 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

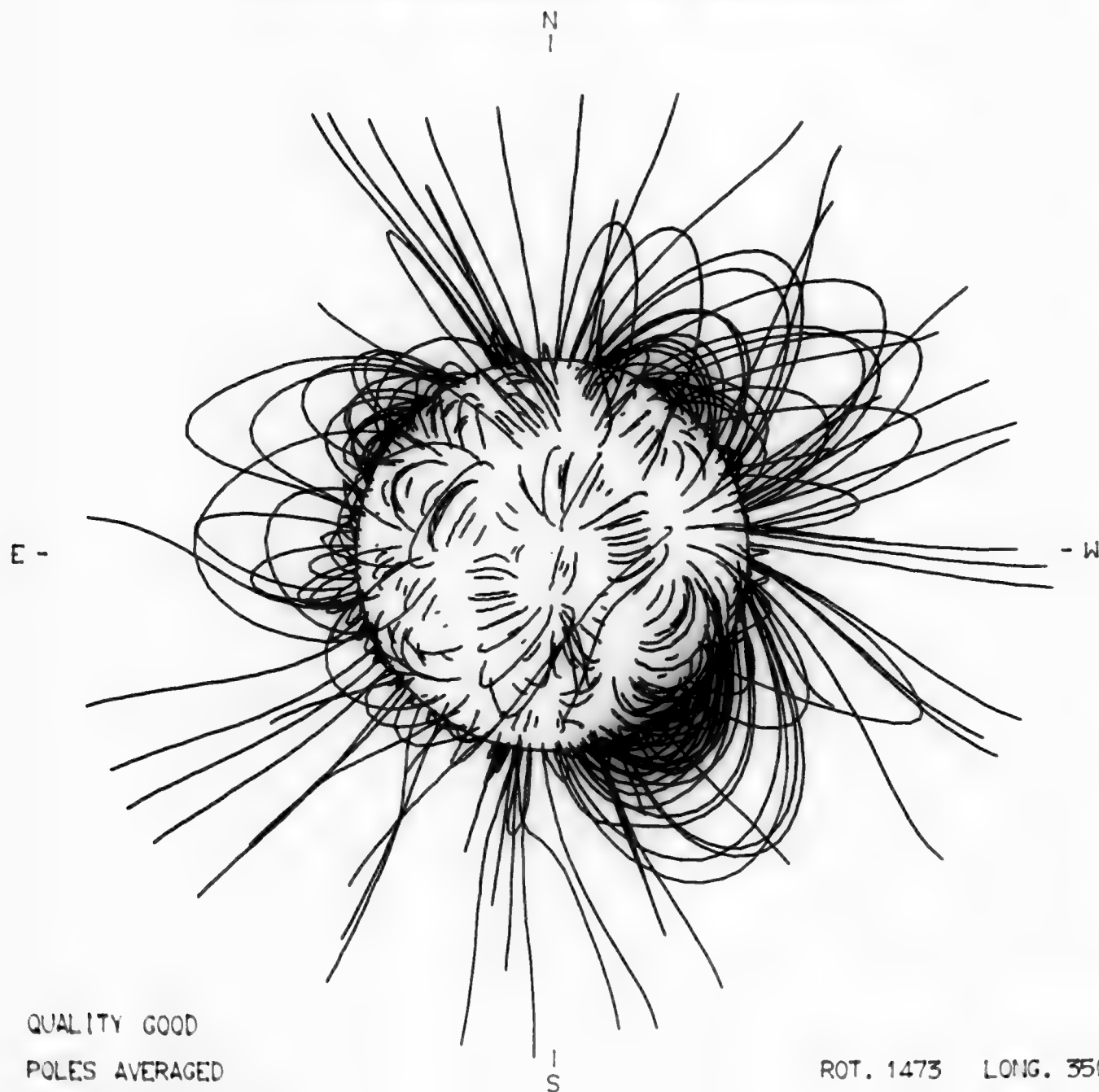
DATA WINDOW 1472.64

I
S

ROT. 1472 LONG. 0°

14.0 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

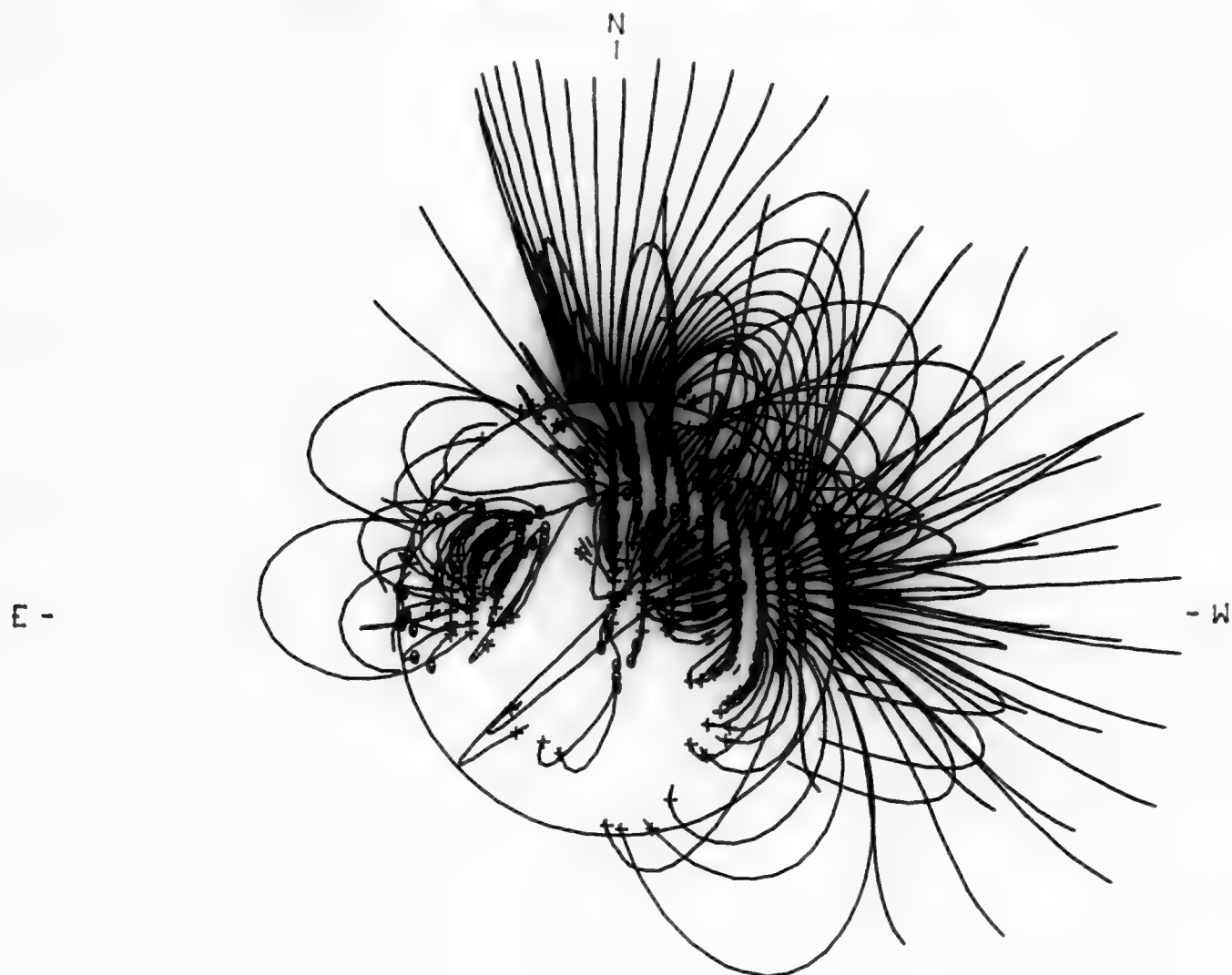
POLES AVERAGED

DATA WINDOW 1472.64

ROT. 1473 LONG. 350°

14.7 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

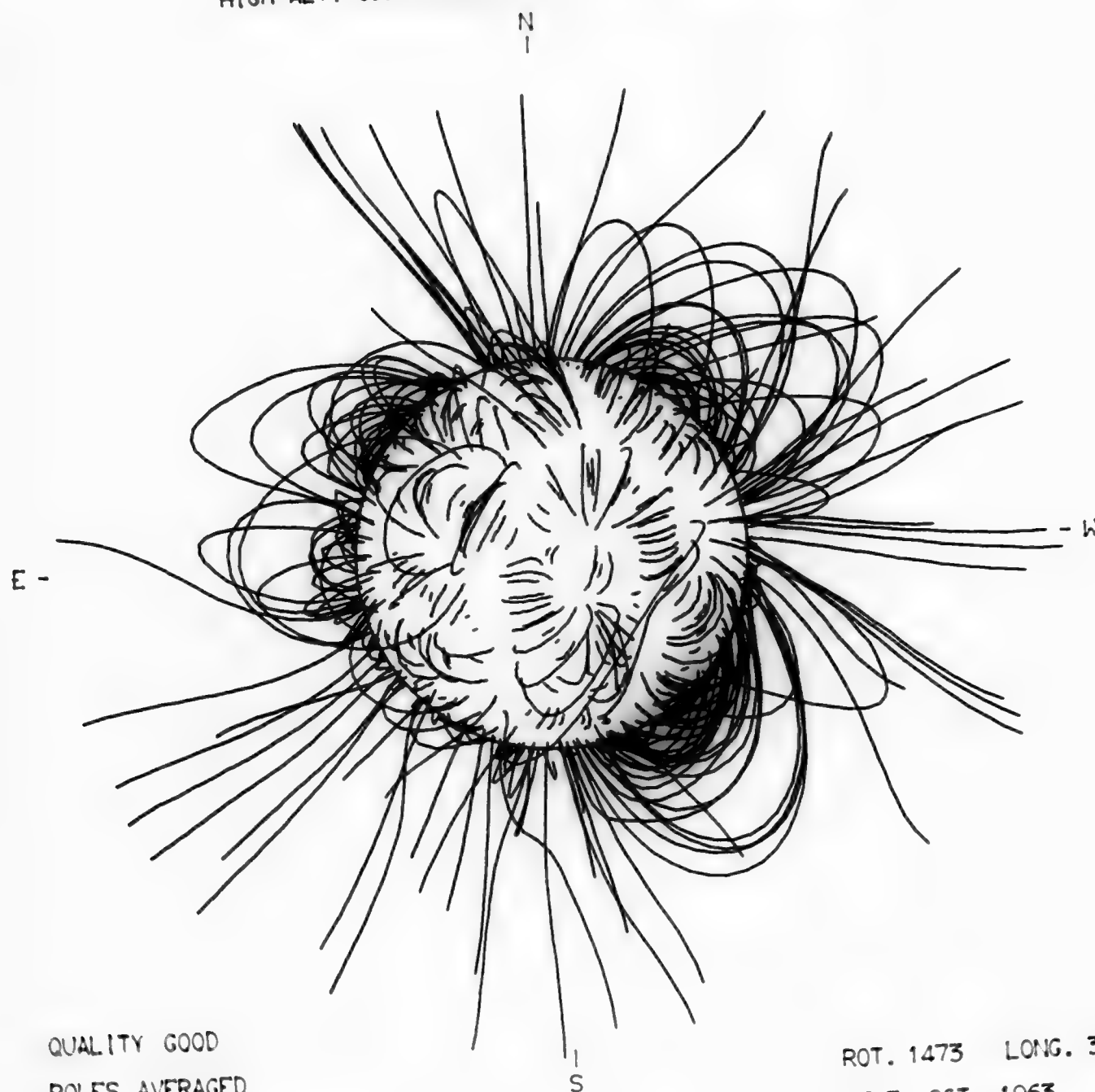
DATA WINDOW 1472.64

1
S

ROT. 1473 LONG. 350°

14.7 OCT 1963

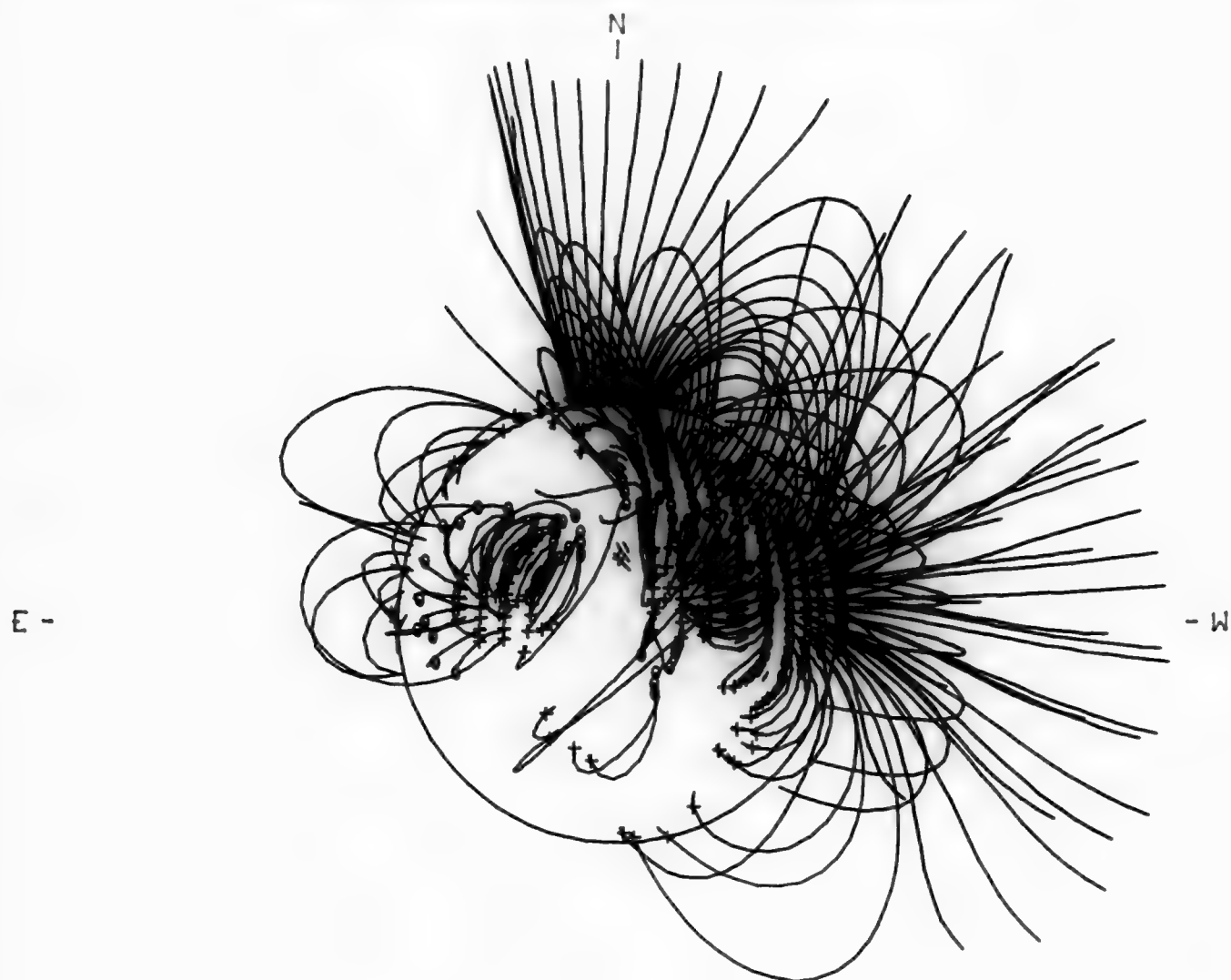
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

ROT. 1473 LONG. 340°
15.5 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

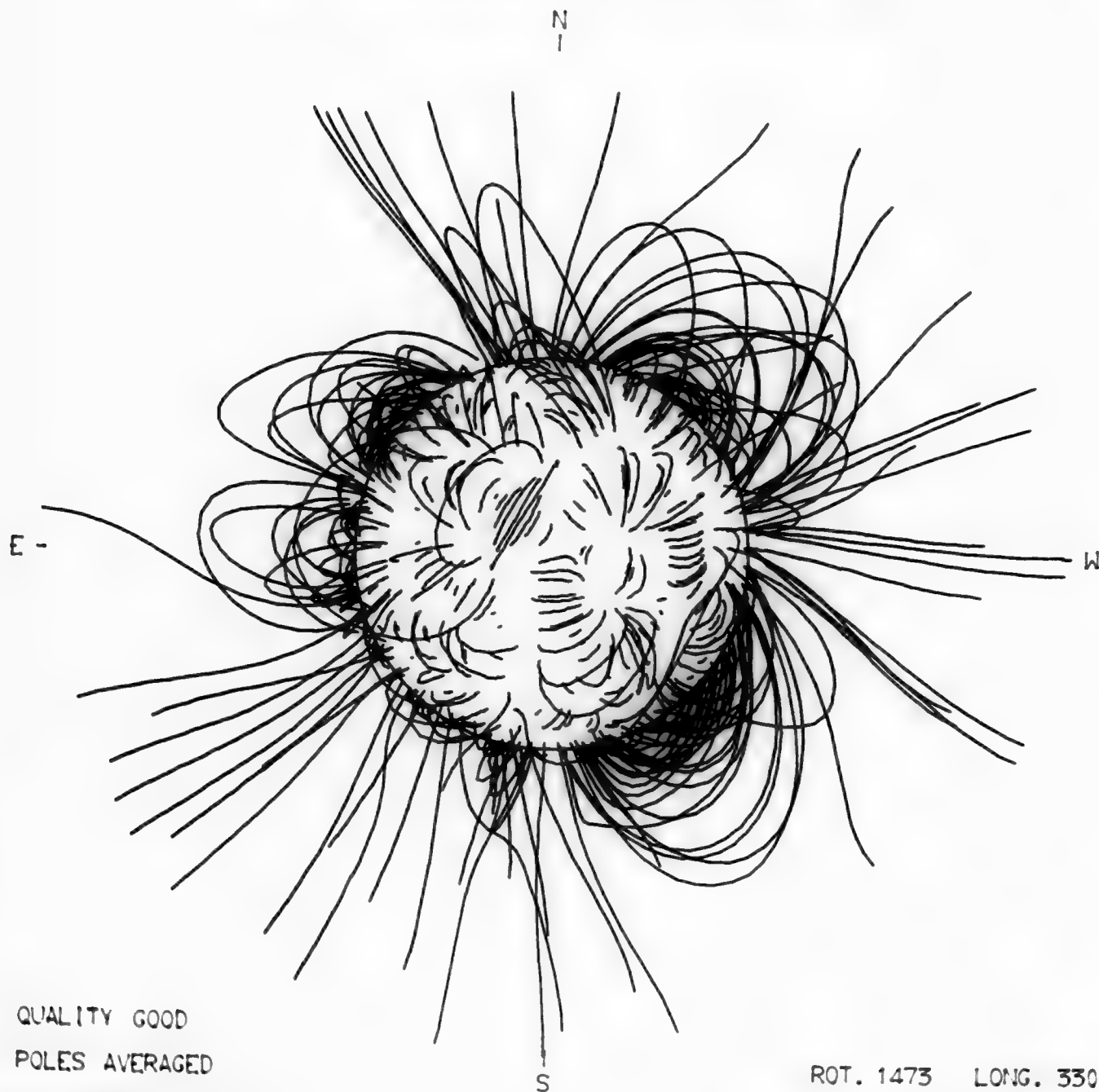
DATA WINDOW 1472.64

I
S

ROT. 1473 LONG. 340°

15.5 OCT 1963

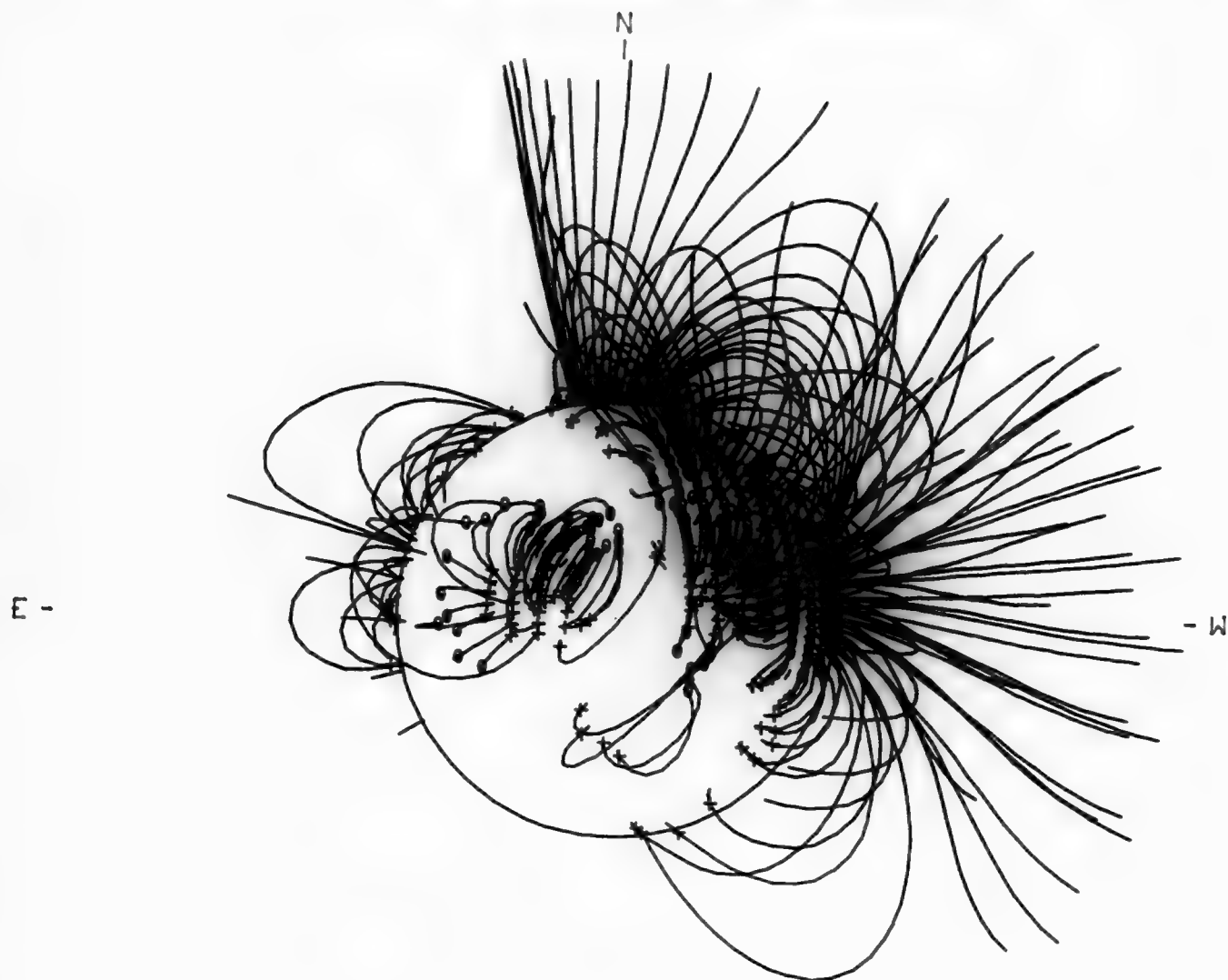
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

ROT. 1473 LONG. 330°
16.2 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

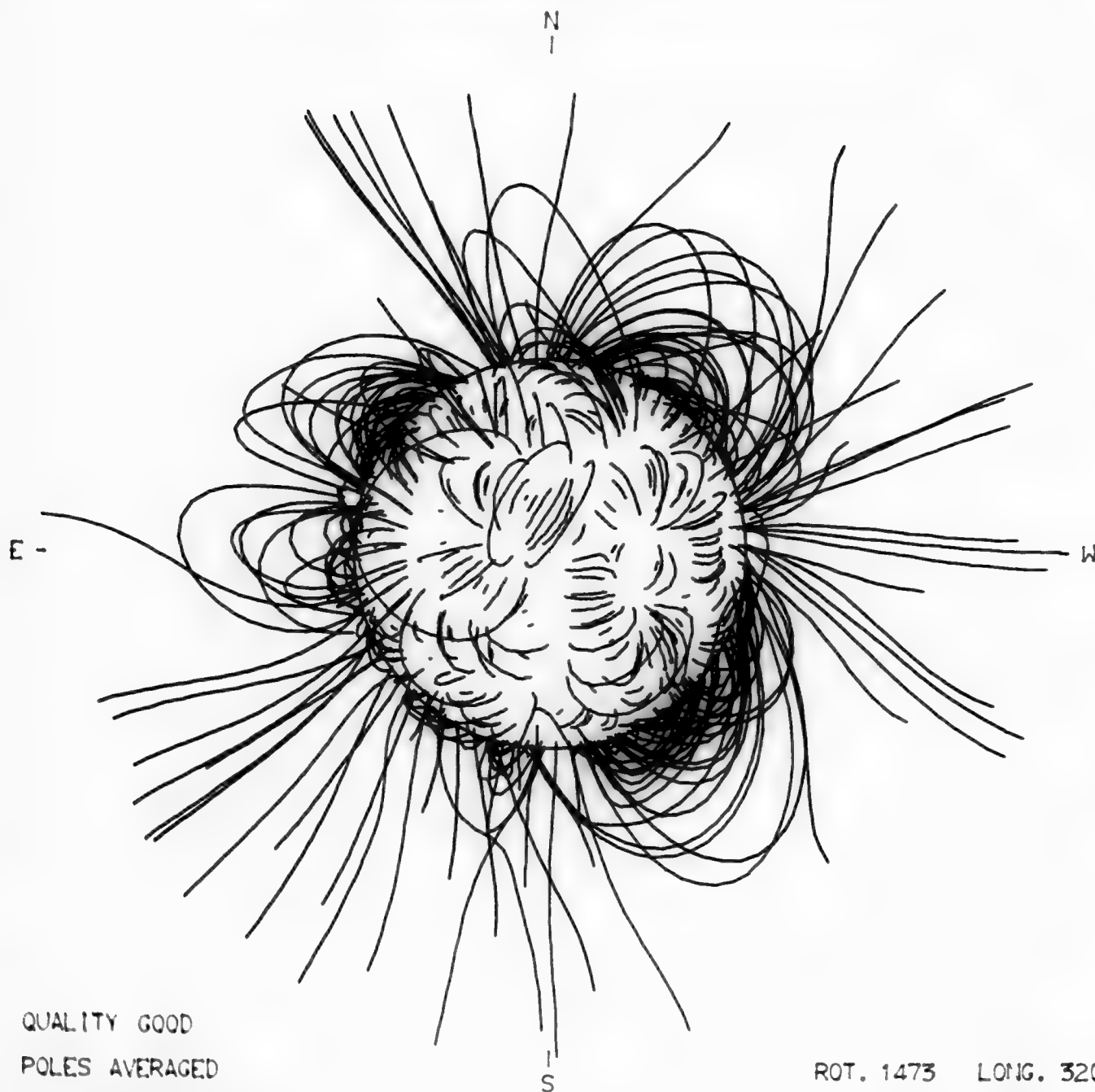
DATA WINDOW 1472.64

I
S

ROT. 1473 LONG. 330°

16.2 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

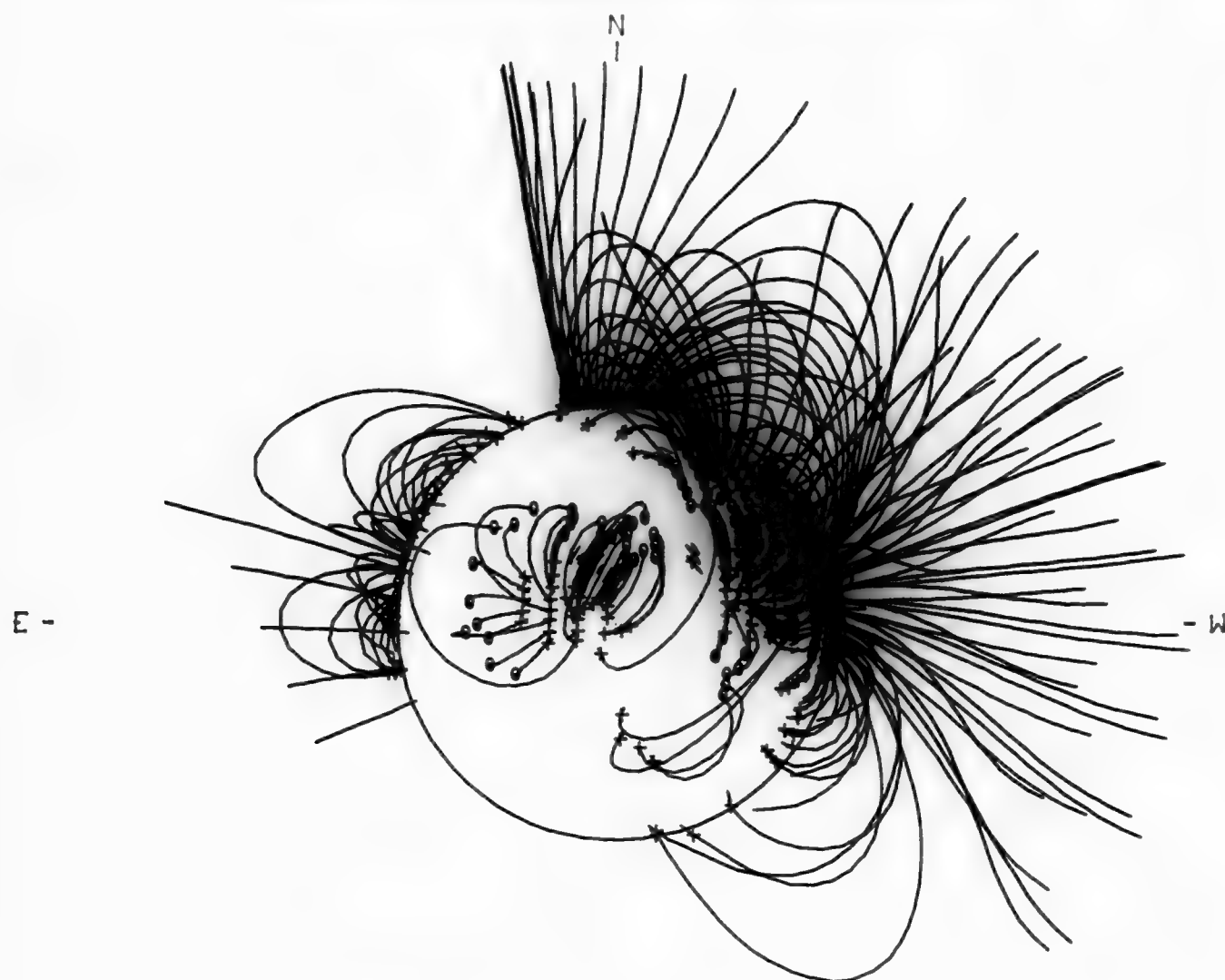
POLES AVERAGED

DATA WINDOW 1472.64

ROT. 1473 LONG. 320°

17.0 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

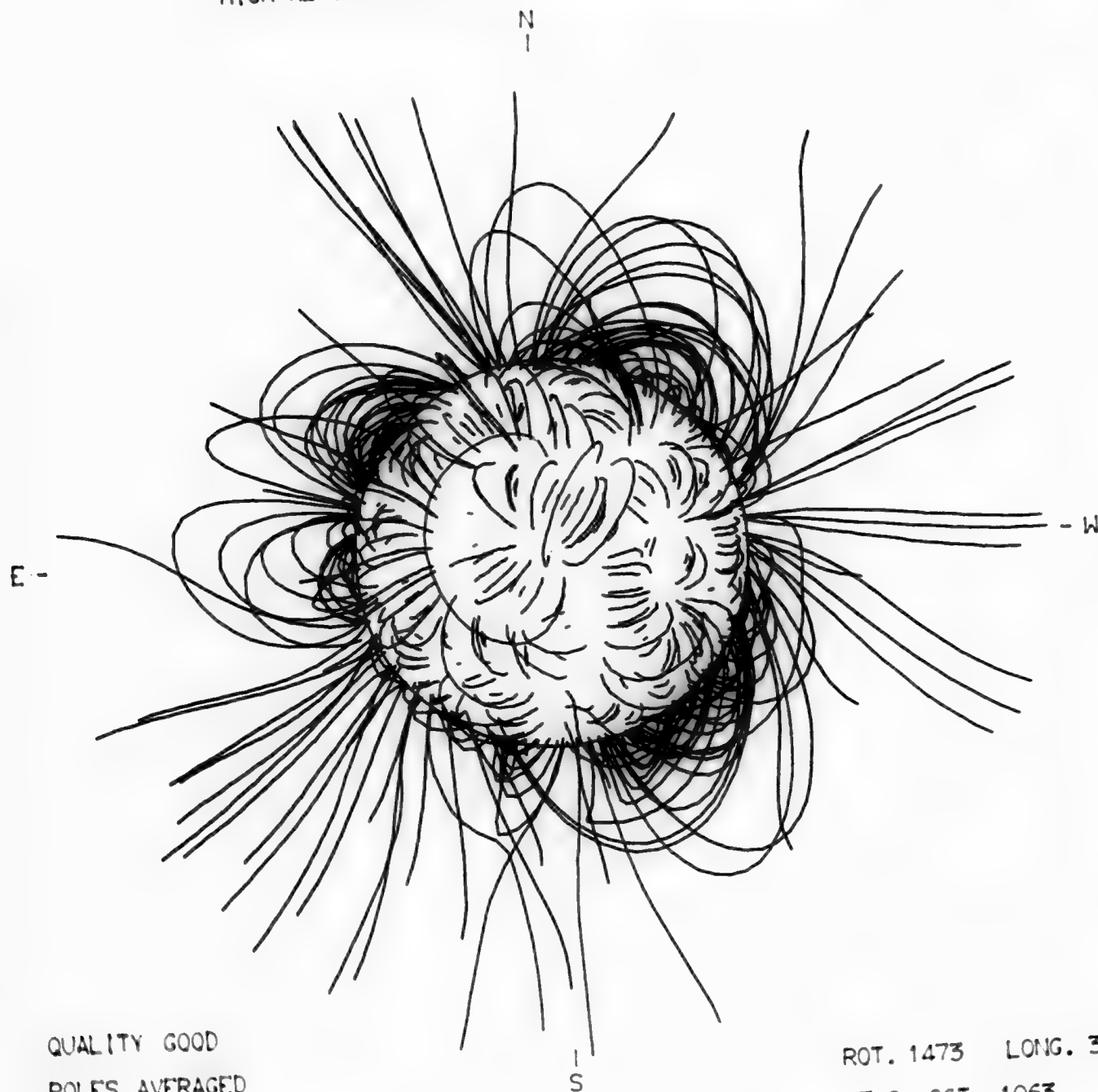


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

I
S

ROT. 1473 LONG. 320°
17.0 OCT 1963

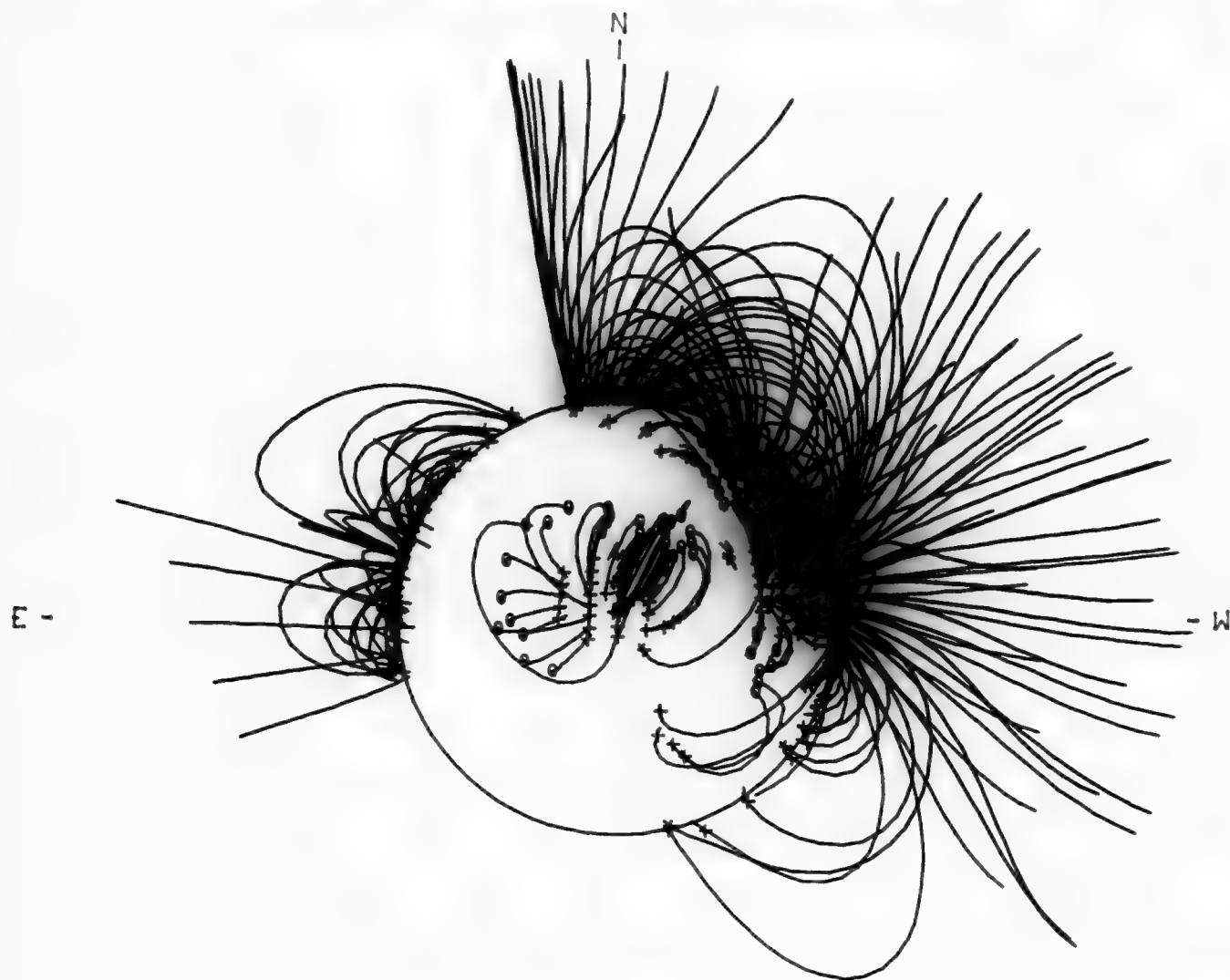
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

ROT. 1473 LONG. 310°
17.8 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

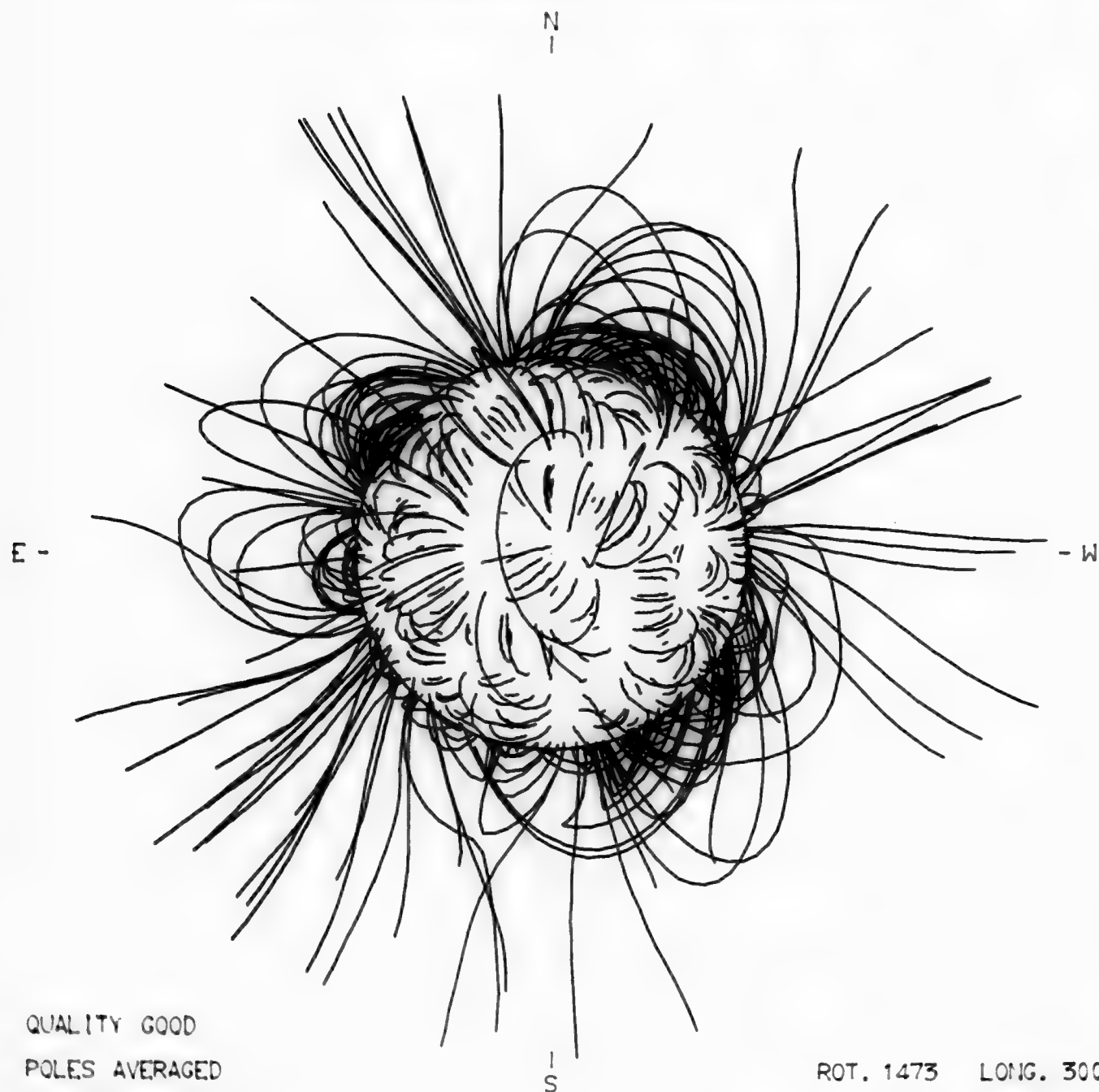
DATA WINDOW 1472.64

I
S

ROT. 1473 LONG. 310°

17.8 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

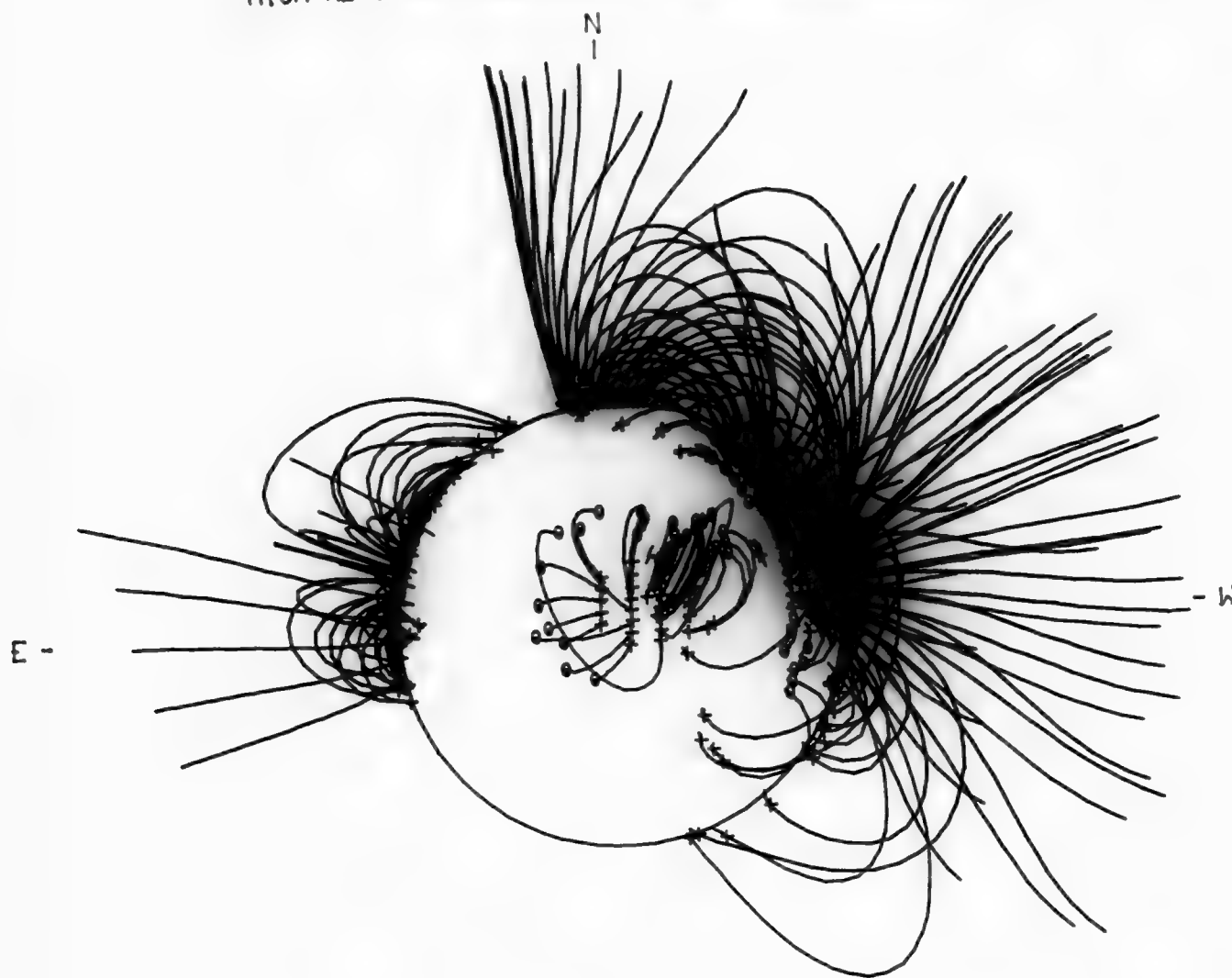
POLES AVERAGED

DATA WINDOW 1472.64

ROT. 1473 LONG. 300°

18.5 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

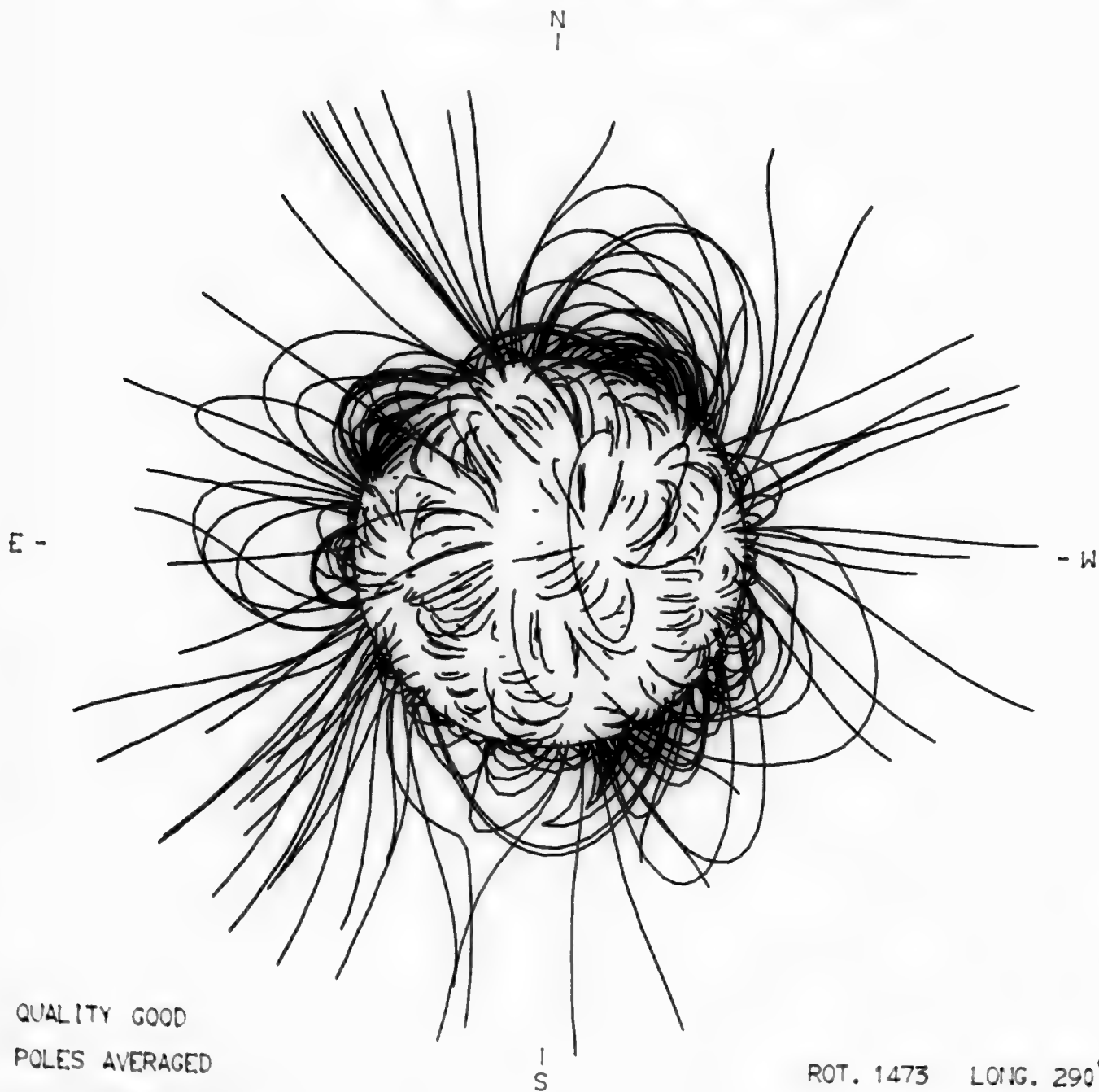


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

I
S

ROT. 1473 LONG. 300°
18.5 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

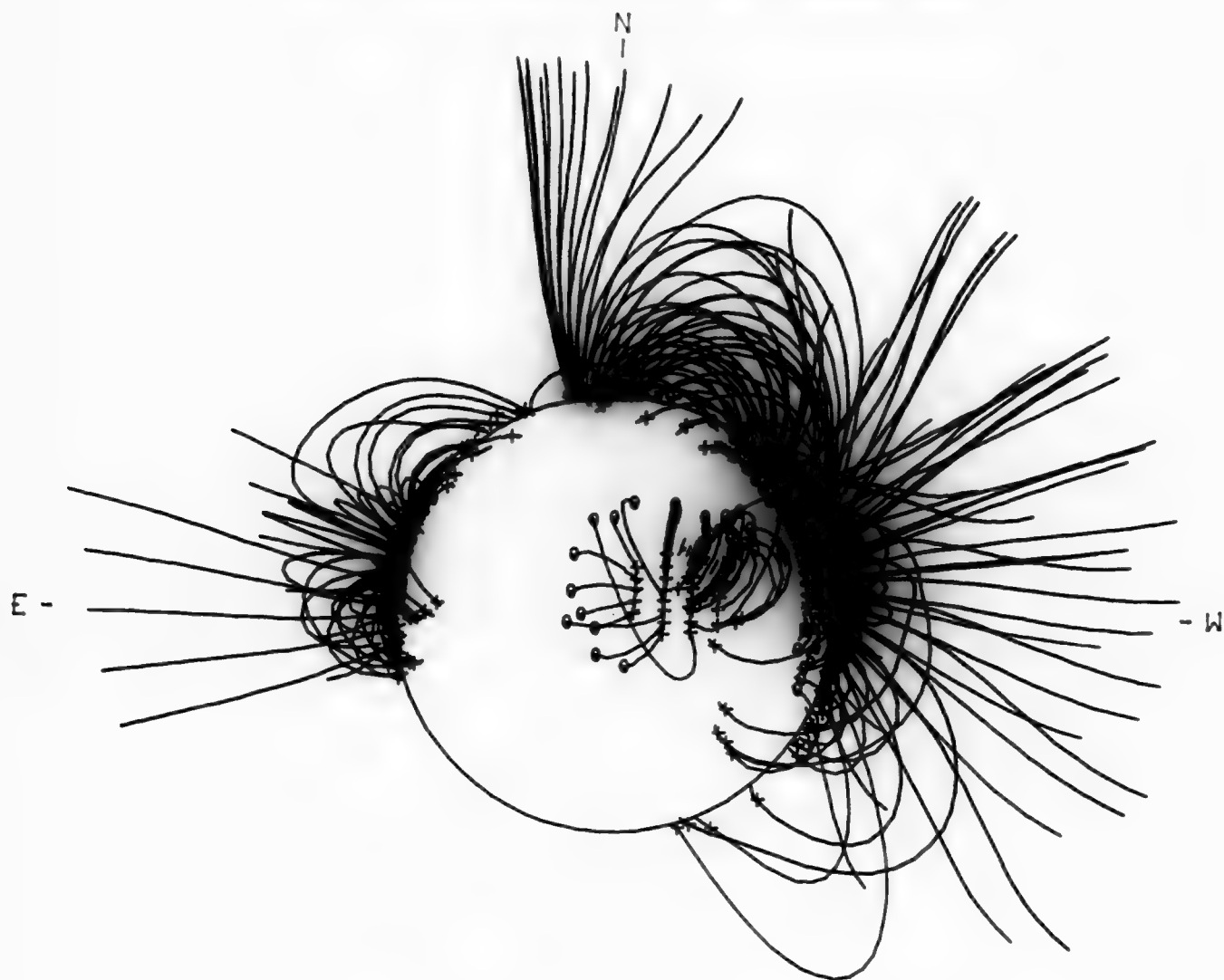
POLES AVERAGED

DATA WINDOW 1472.64

ROT. 1473 LONG. 290°

19.3 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

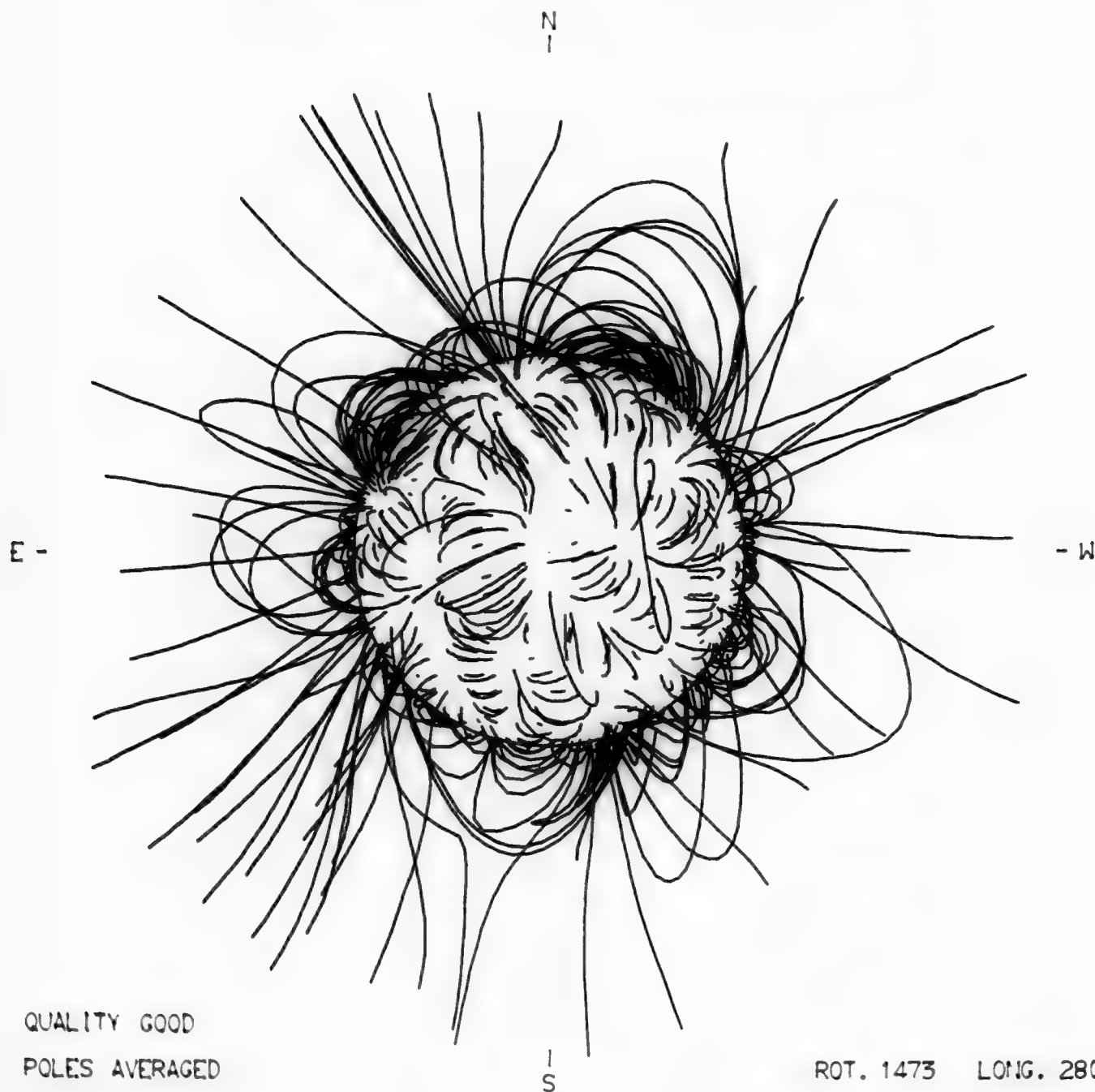
DATA WINDOW 1472.64

I
S

ROT. 1473 LONG. 290°

19.3 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

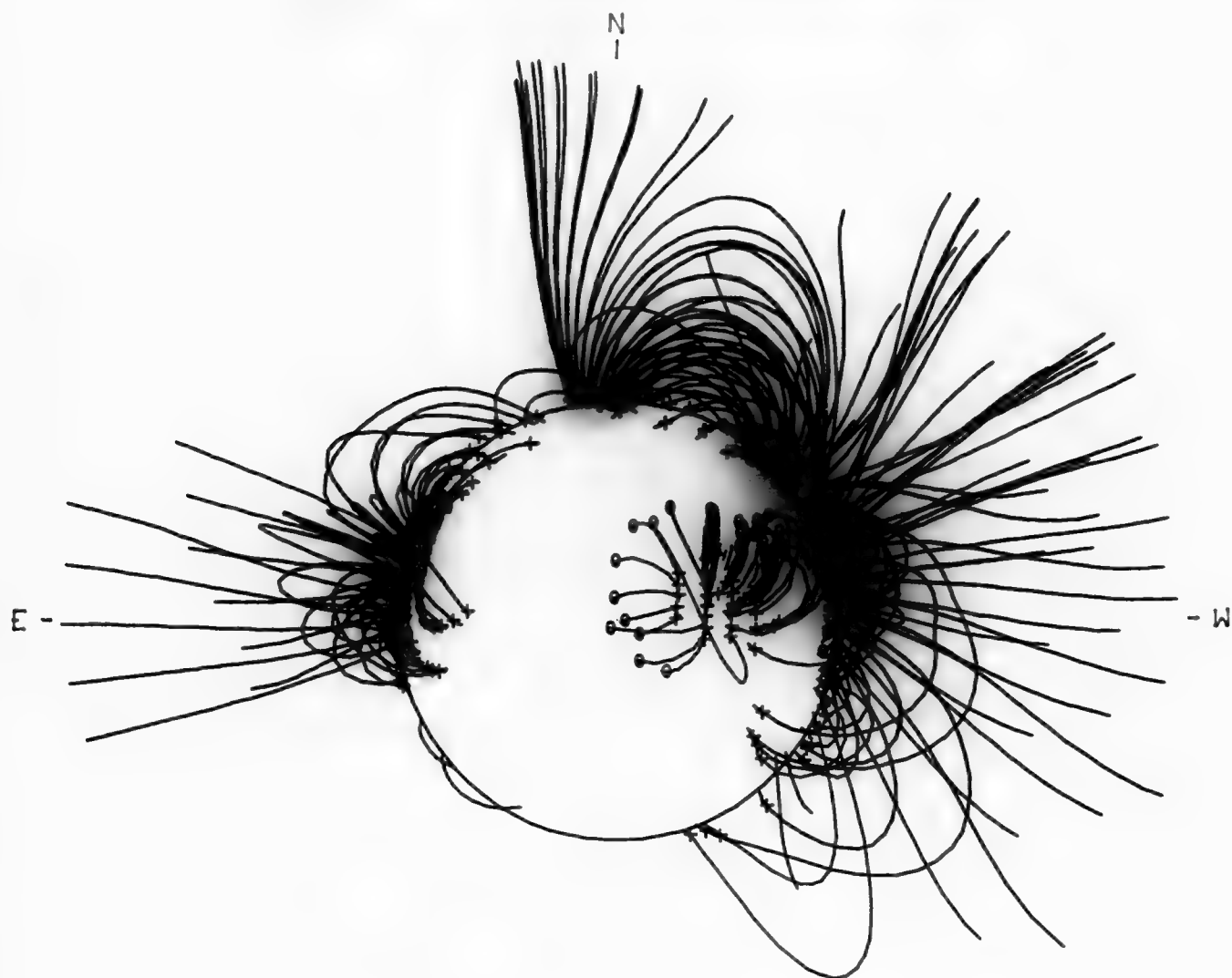
POLES AVERAGED

DATA WINDOW 1472.64

ROT. 1473 LONG. 280°

20.0 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



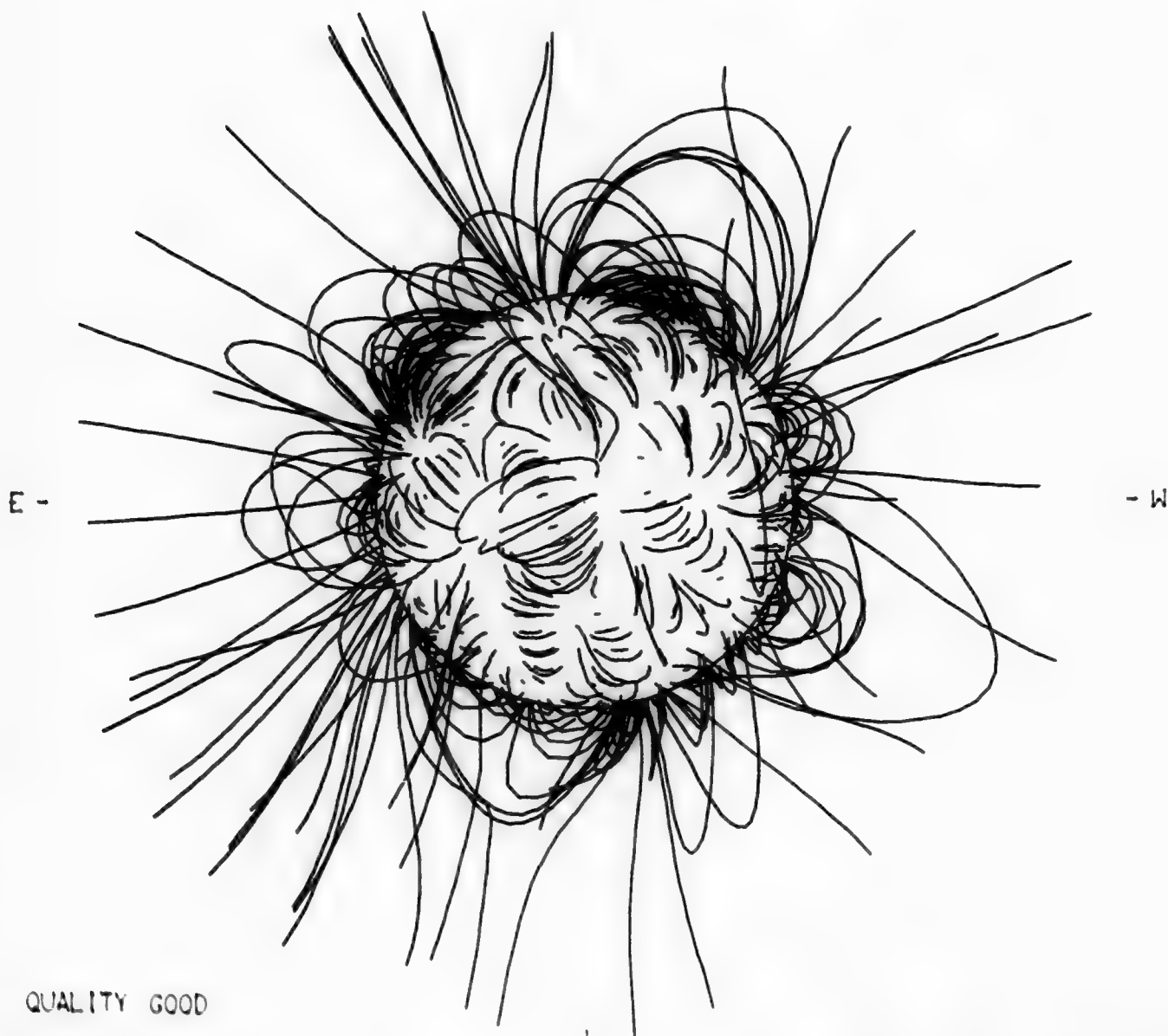
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1472.64

I
S

ROT. 1473 LONG. 280°
20.0 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|



QUALITY GOOD

POLES AVERAGED

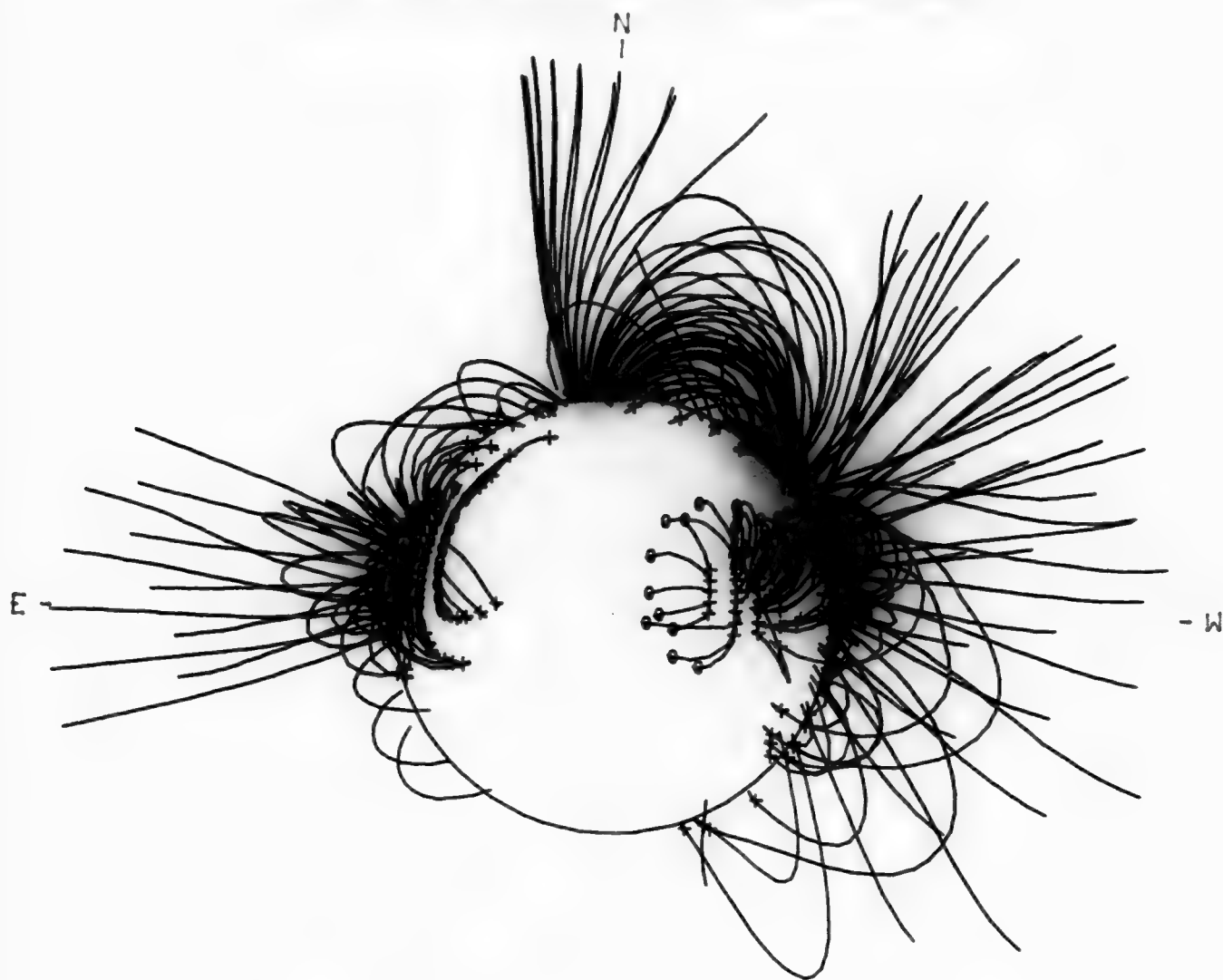
DATA WINDOW 1472.64

|
S

ROT. 1473 LONG. 270°

20.8 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

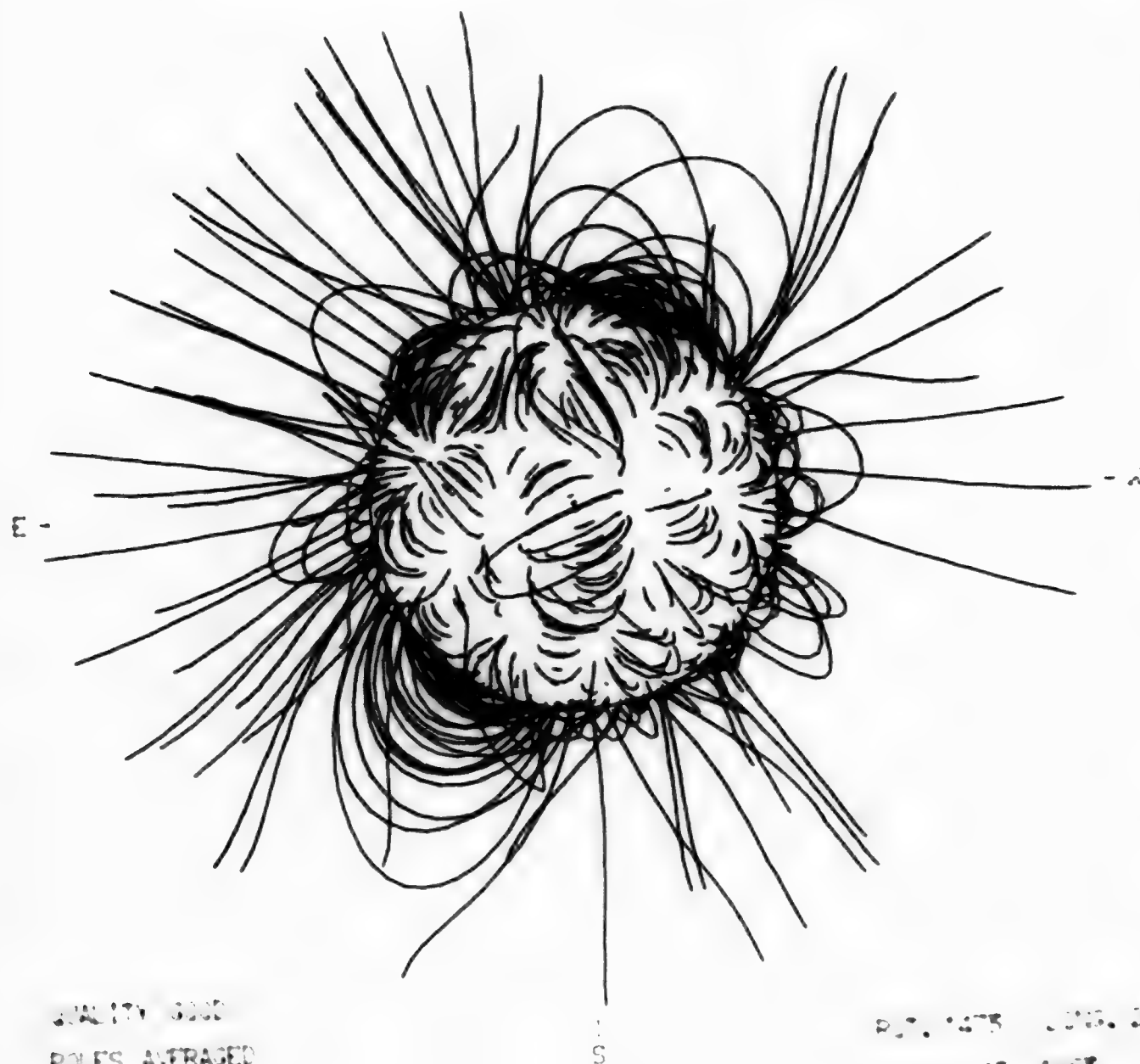
DATA WINDOW 1472.64

1
S

ROT. 1473 LONG. 270°

20.8 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY 0000
POLES AVERAGED
DATA AROUND 1475.00

REF. 1475 1475.00
21.6 107 1475

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

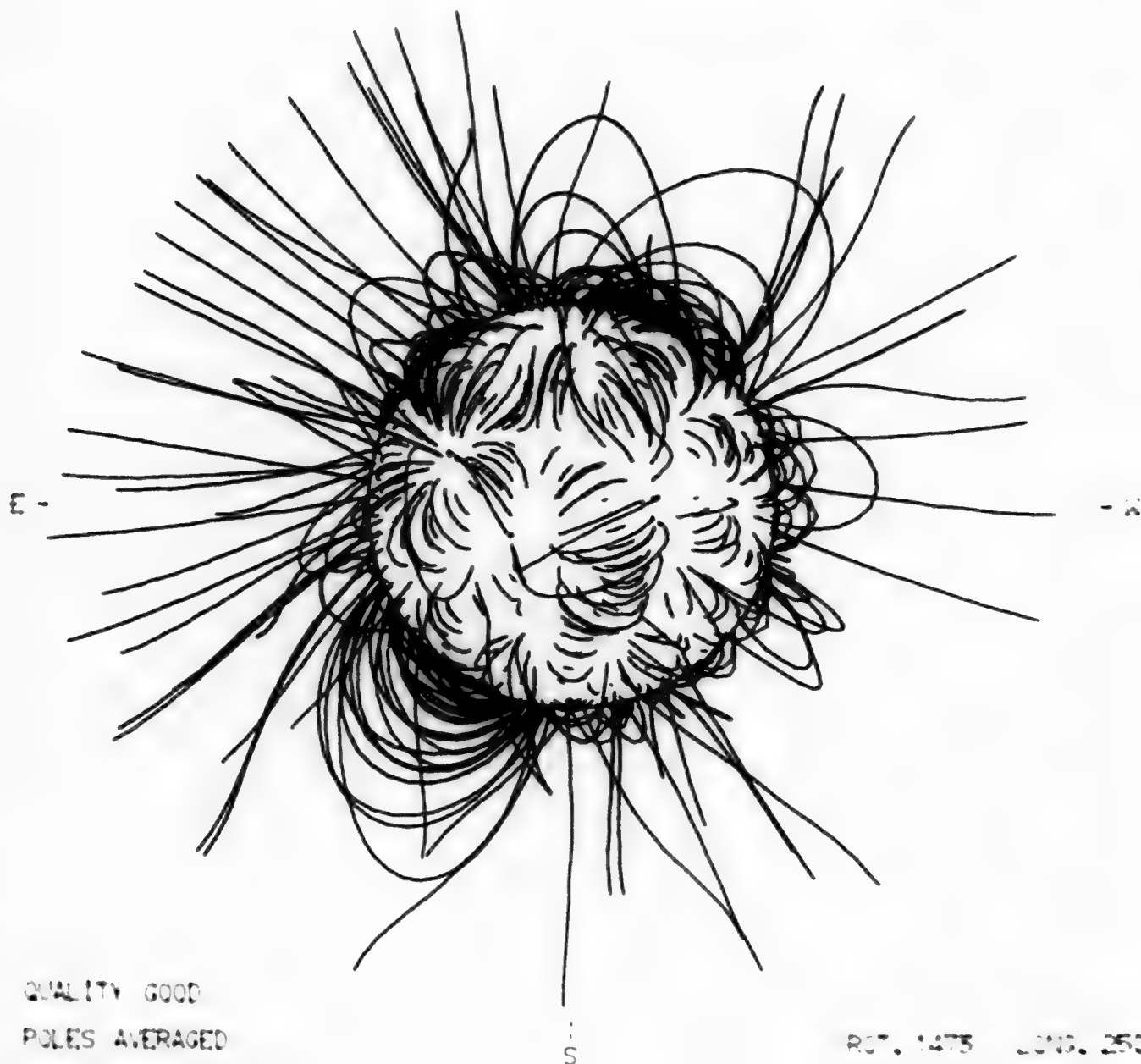


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1473.00

:
S

ROT. 1473 LONG. 251°
21.6 107 1985

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

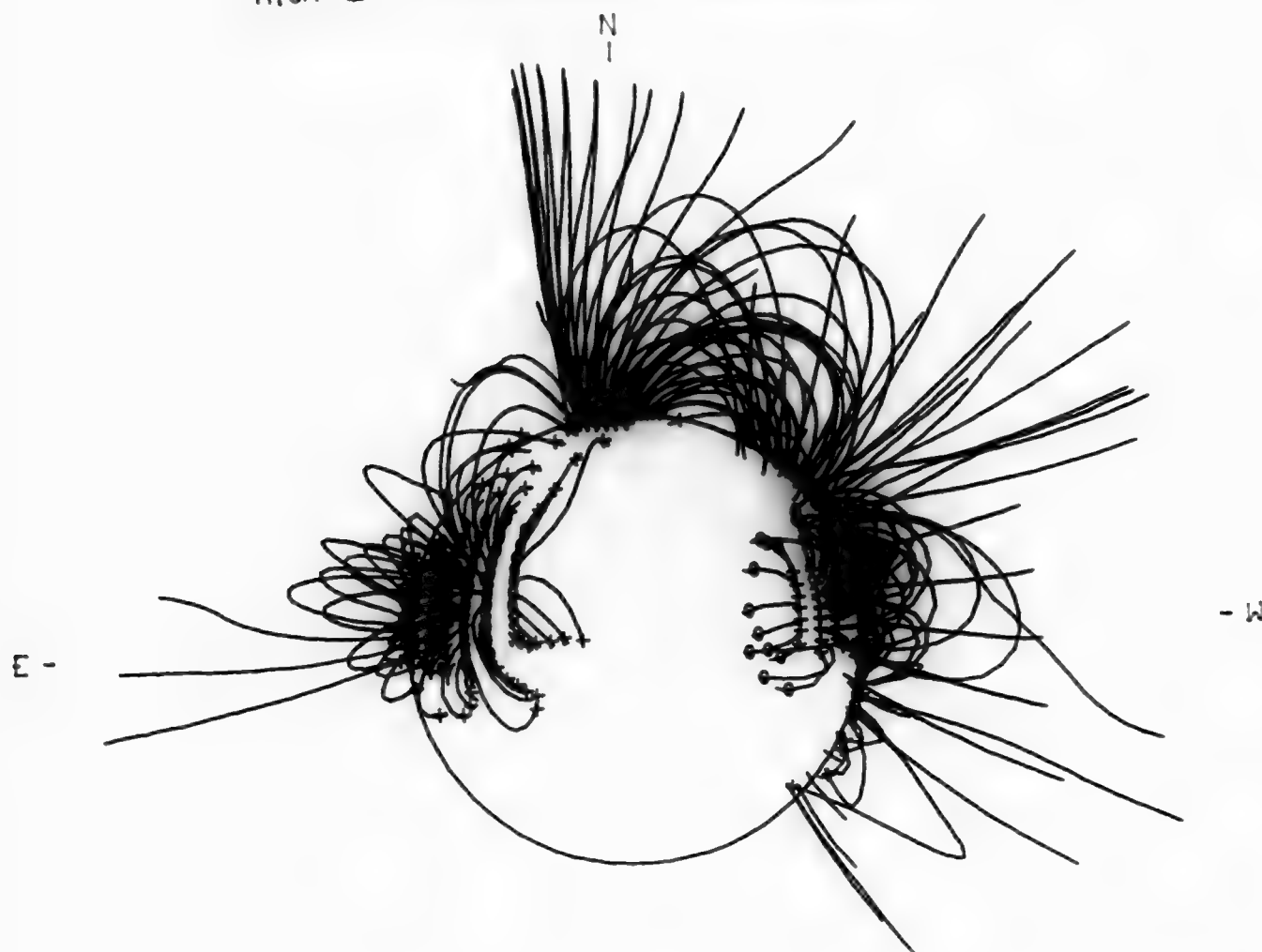
POLES AVERAGED

DATA WINDOW 1473.00

ROT. 1473 LONG. 251°

22.3 OCT 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

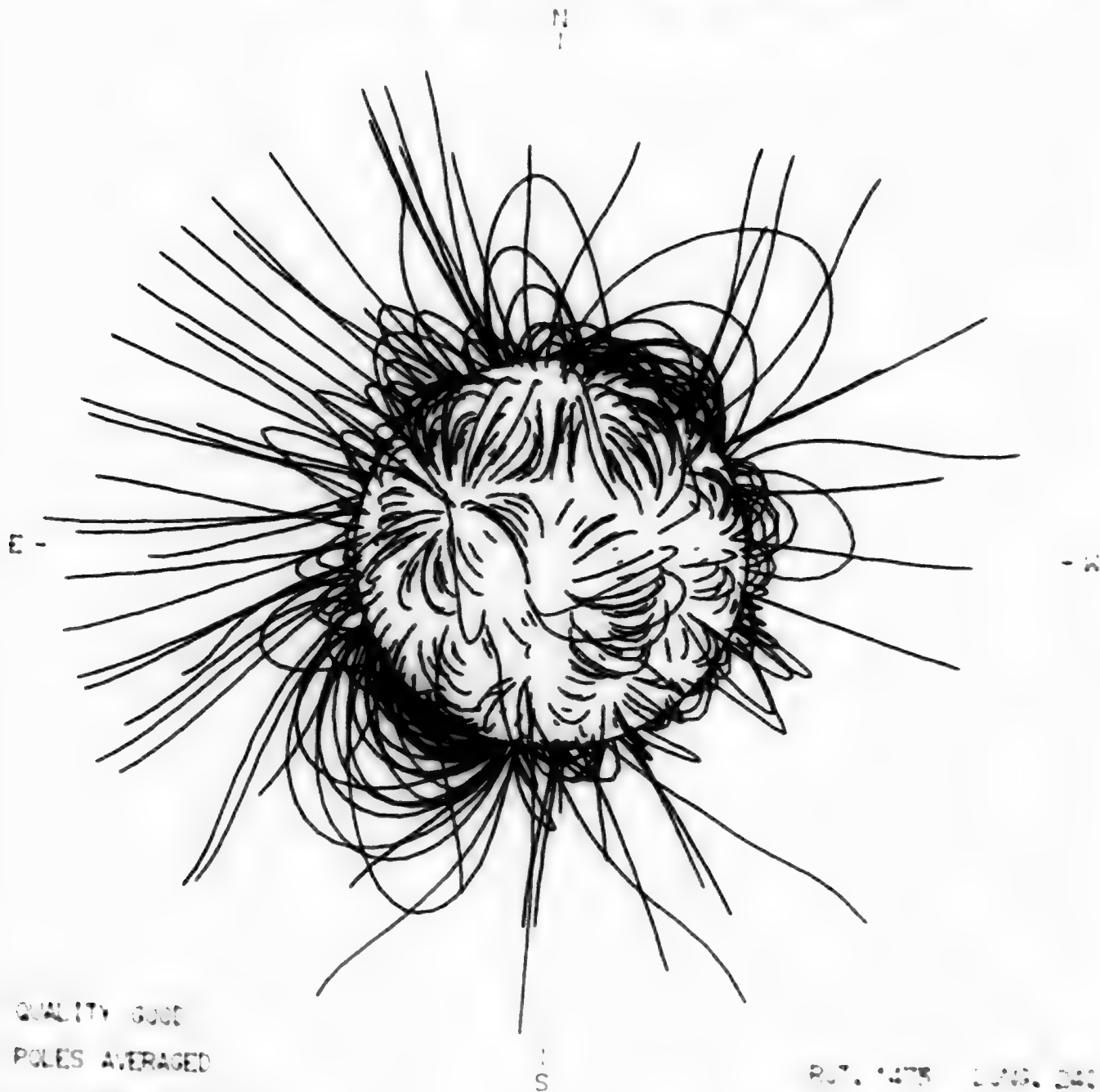


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1473.00

I
S

ROT. 1473 LONG. 250°
22.5 OCT 1963

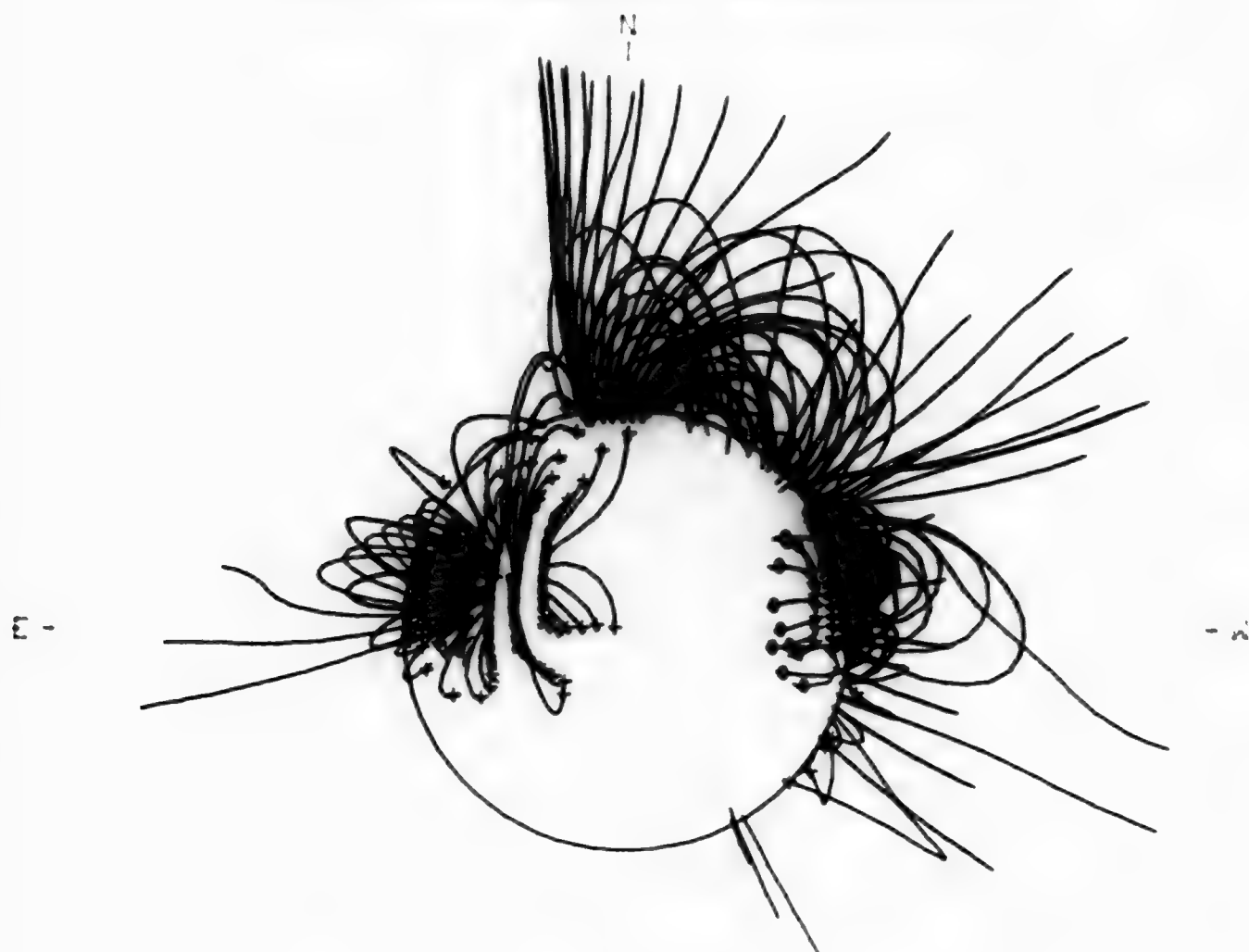
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1473.00

RUT. 1473 146.240°
23.1 147 1473

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

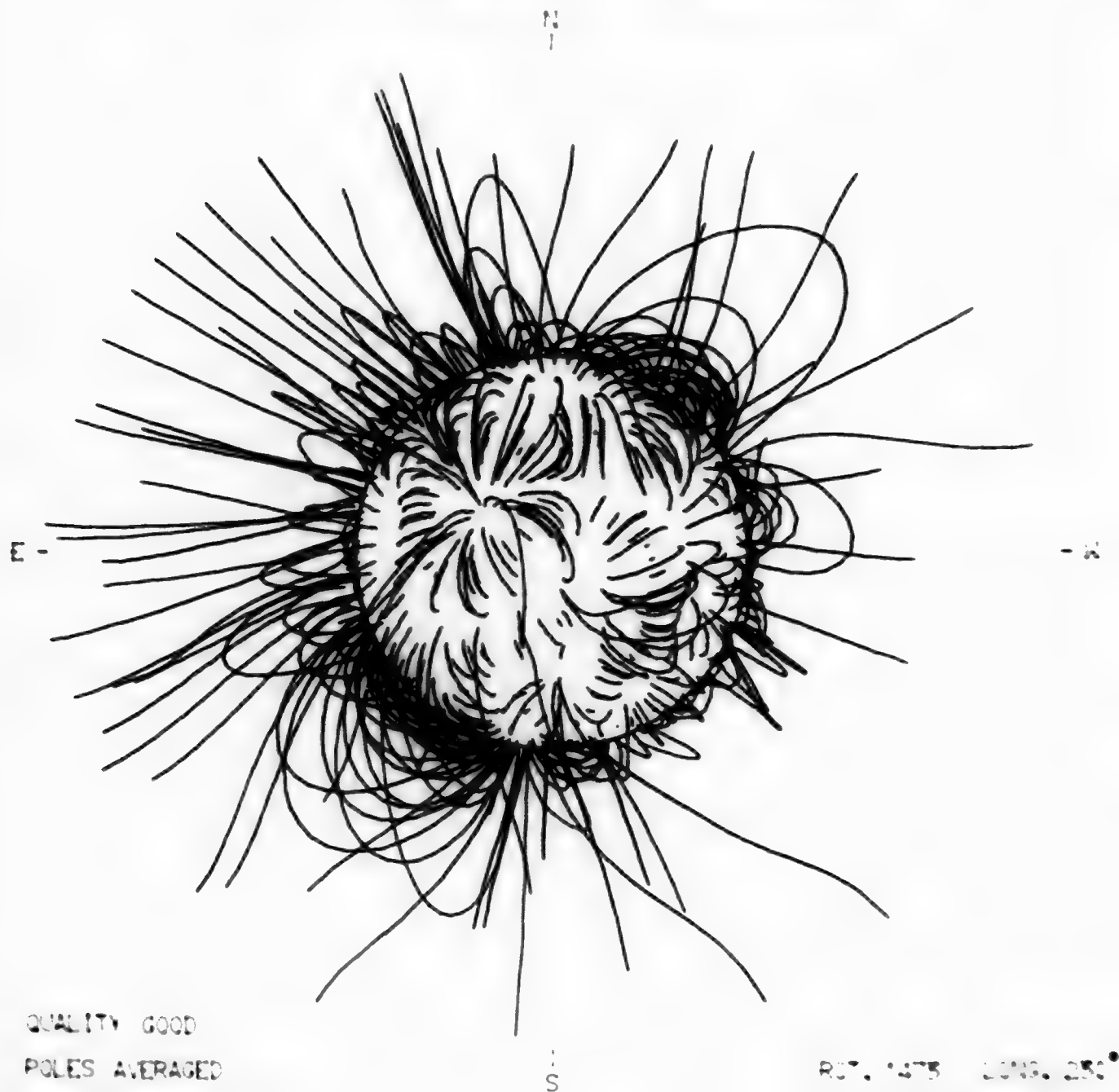
DATA WINDOW 1473.00

S

RUT. 1473 2016. 240°

25.1 107 1468

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



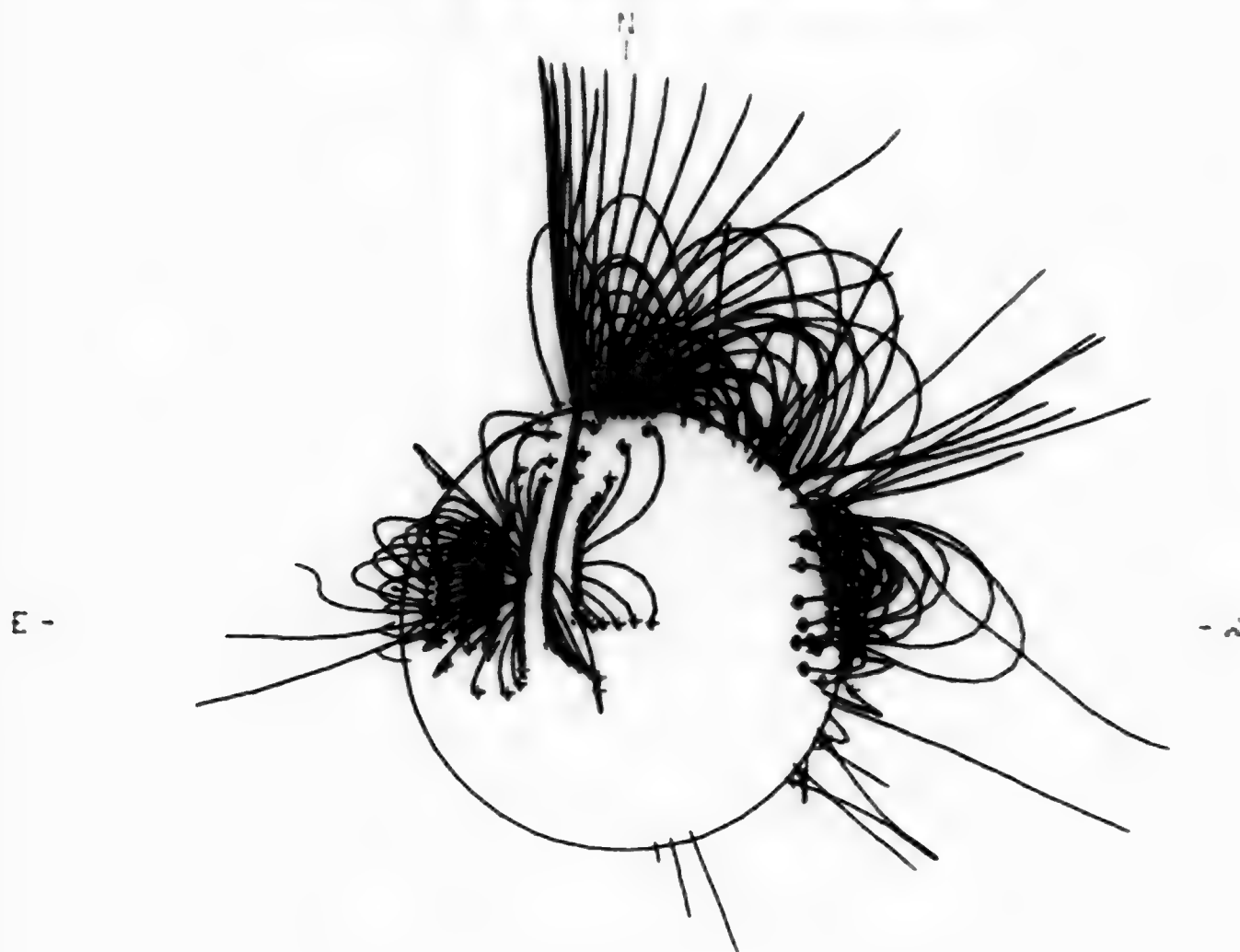
QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1473.00

ROT. 1473 LONG. 250°
23.8 107 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

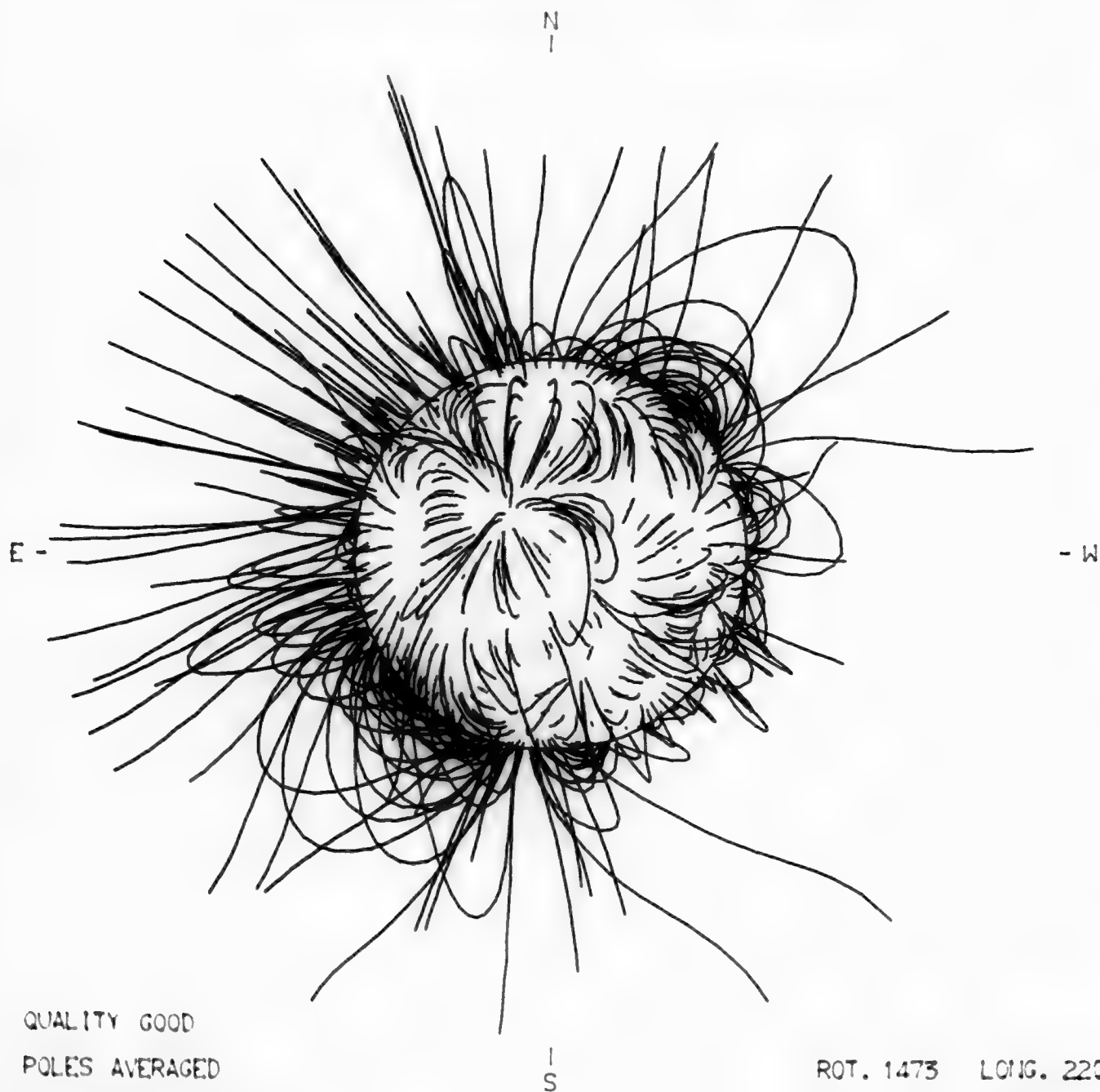


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1475.00

S

207.1475 2015.250°
 23.8 107 1005

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

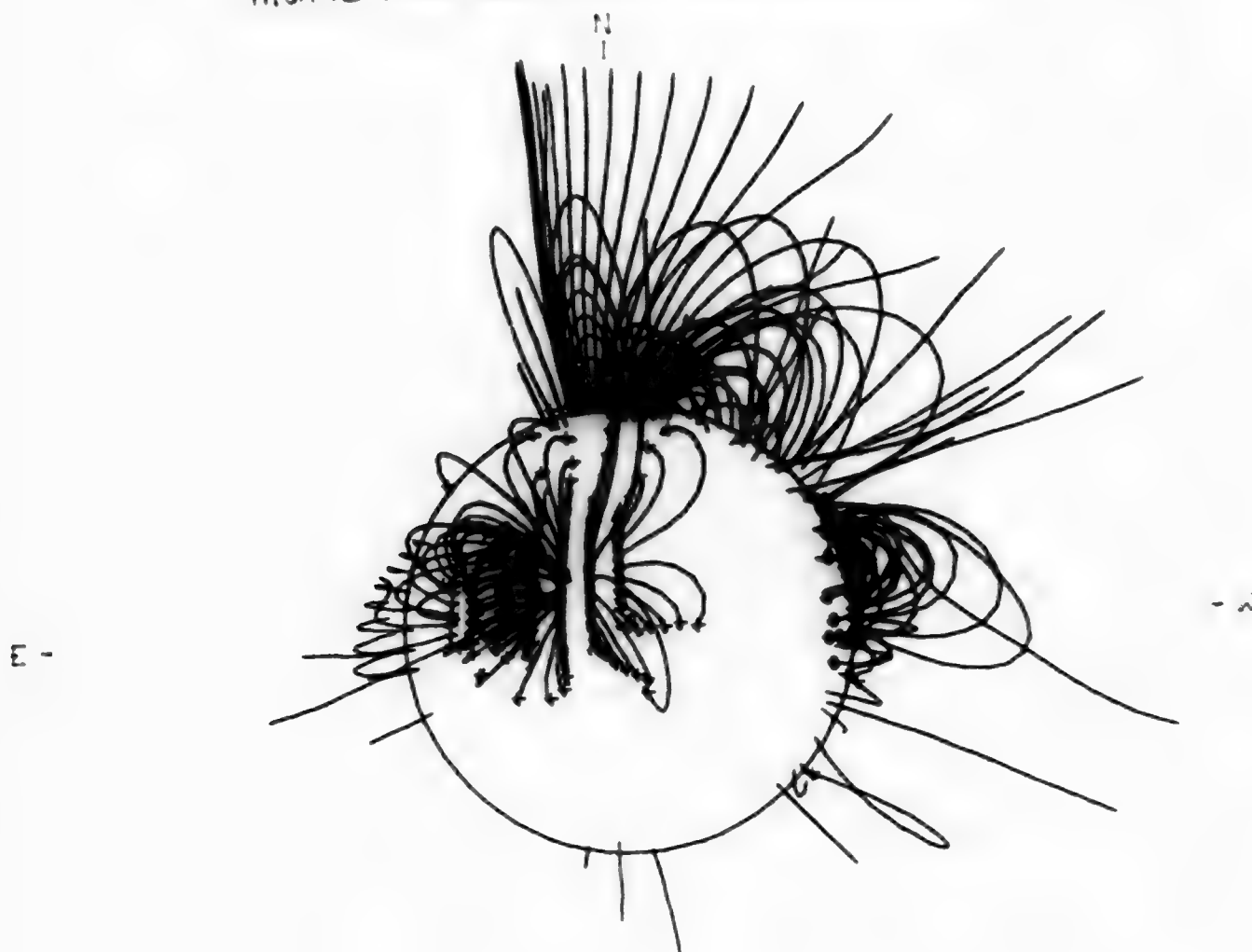
POLES AVERAGED

DATA WINDOW 1473.00

ROT. 1473 LONG. 220°

24.6 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

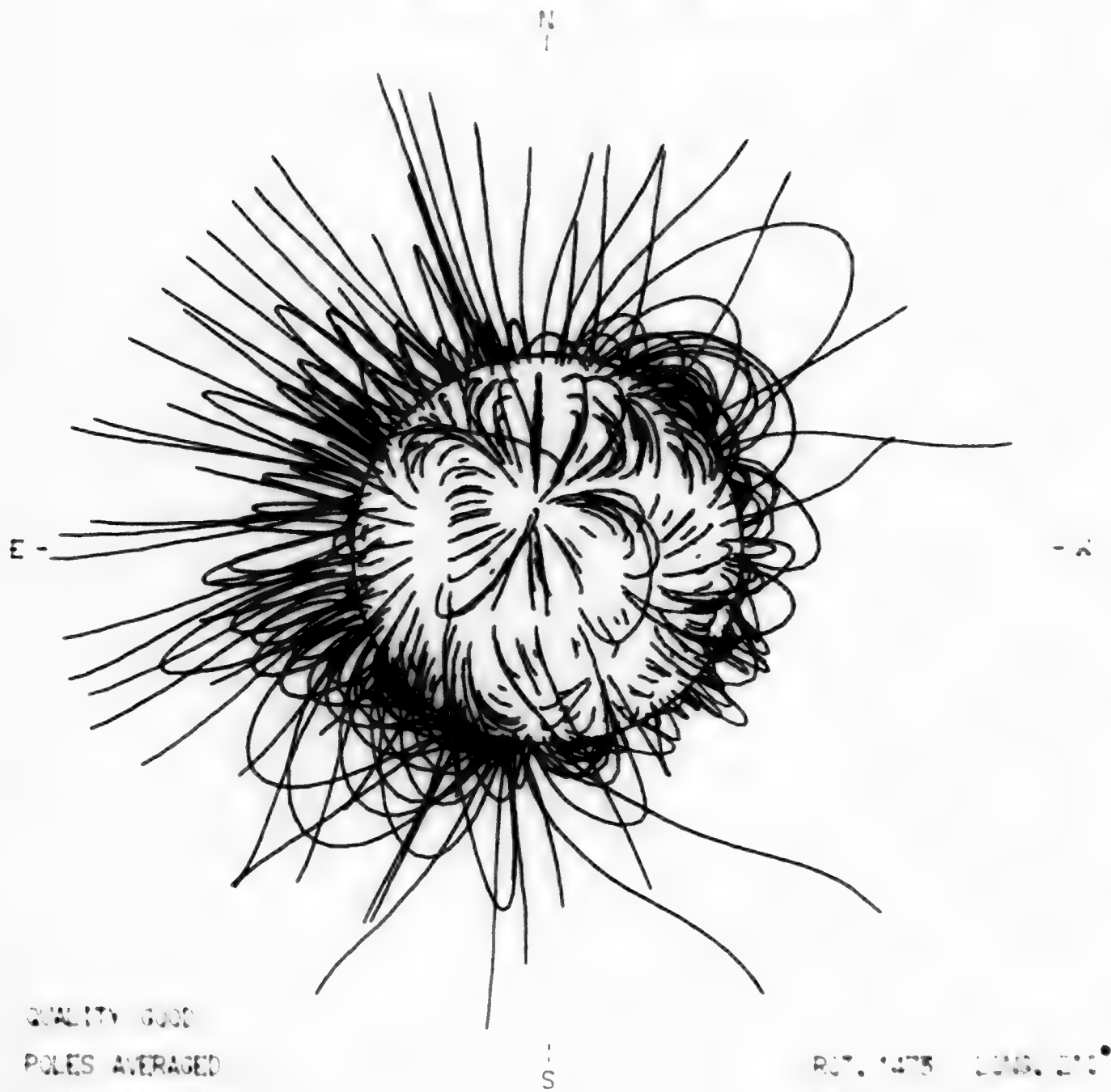


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1473.00

S

817.1473 1473.00
24.6 00 1473

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

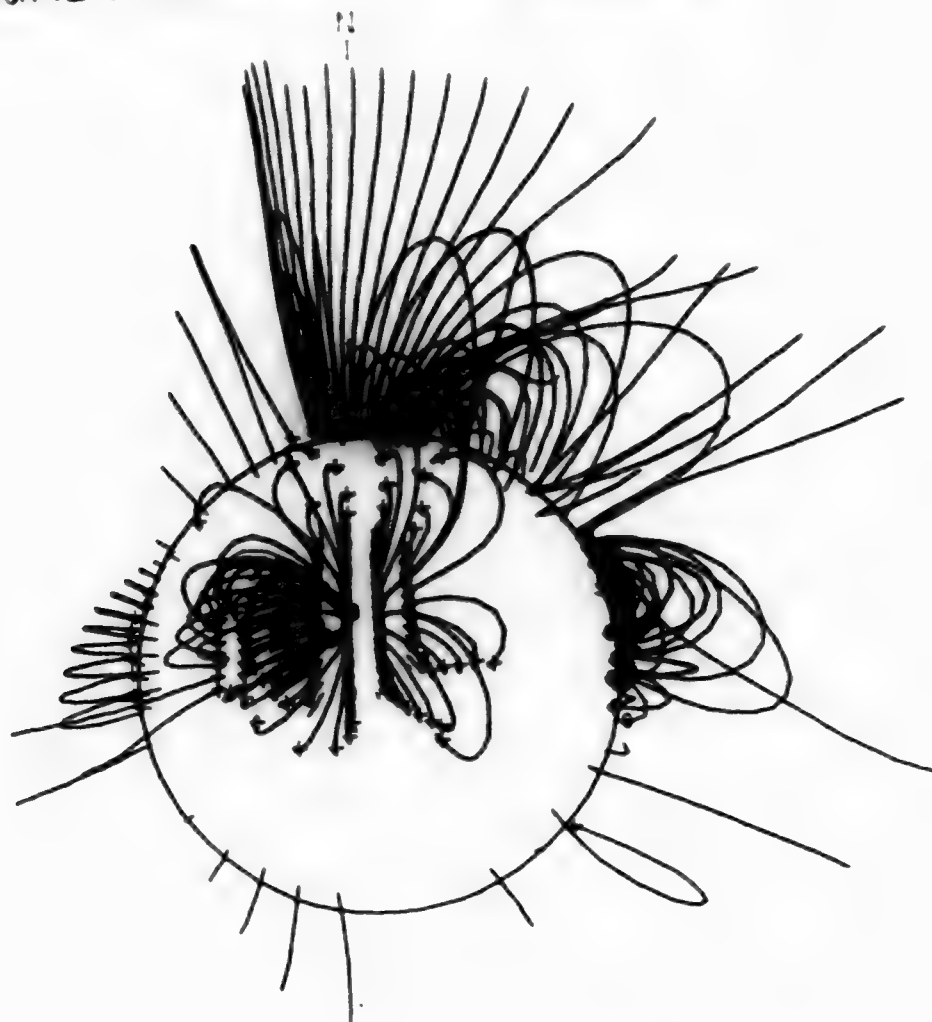
DATA WINDOW 1473.00

ROT. 1473 200. 210°

25.5 107 1473

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

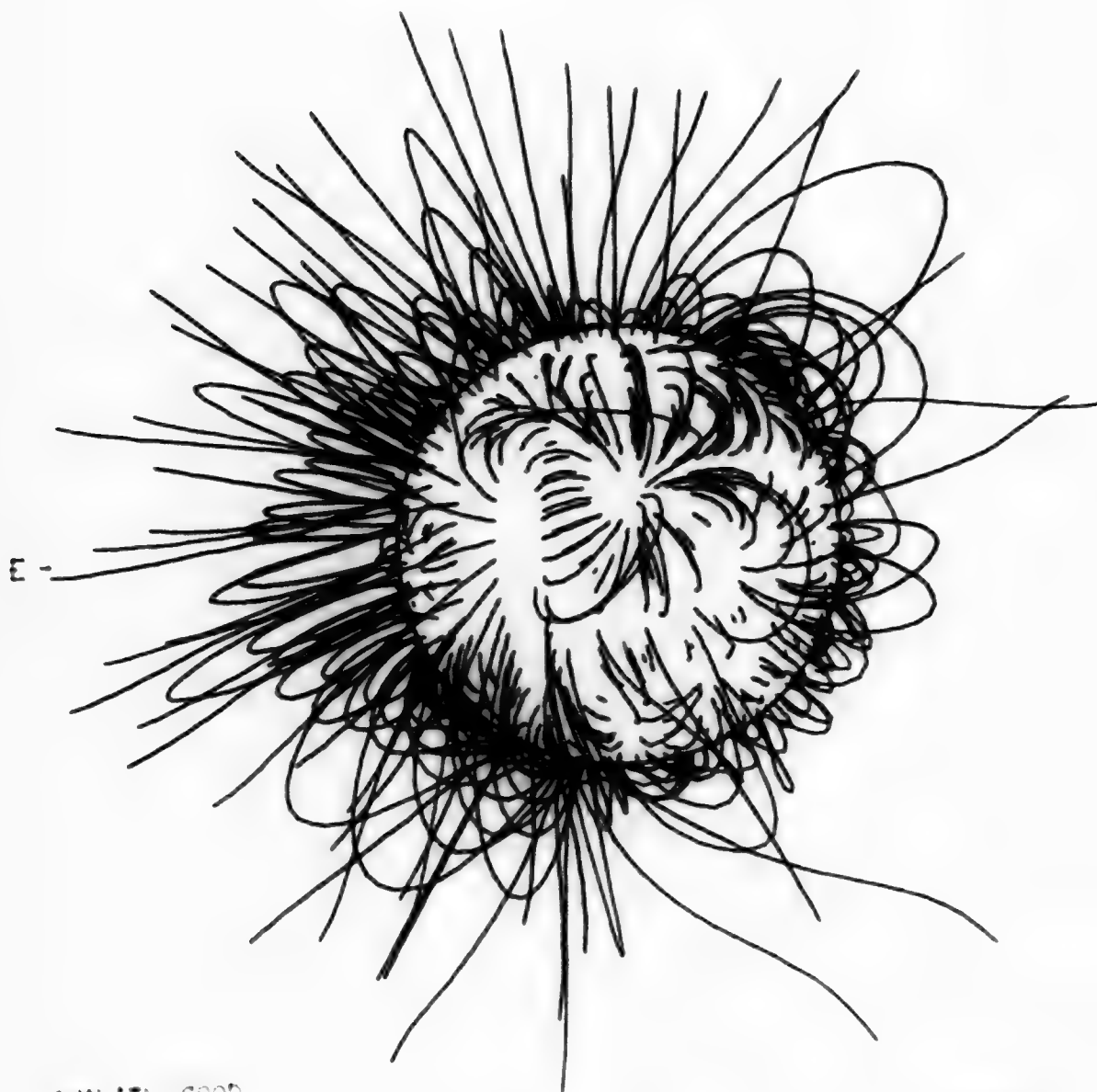


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1473.00

S

R. 7. 1473 2015. 210
25.3 1473 1403

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

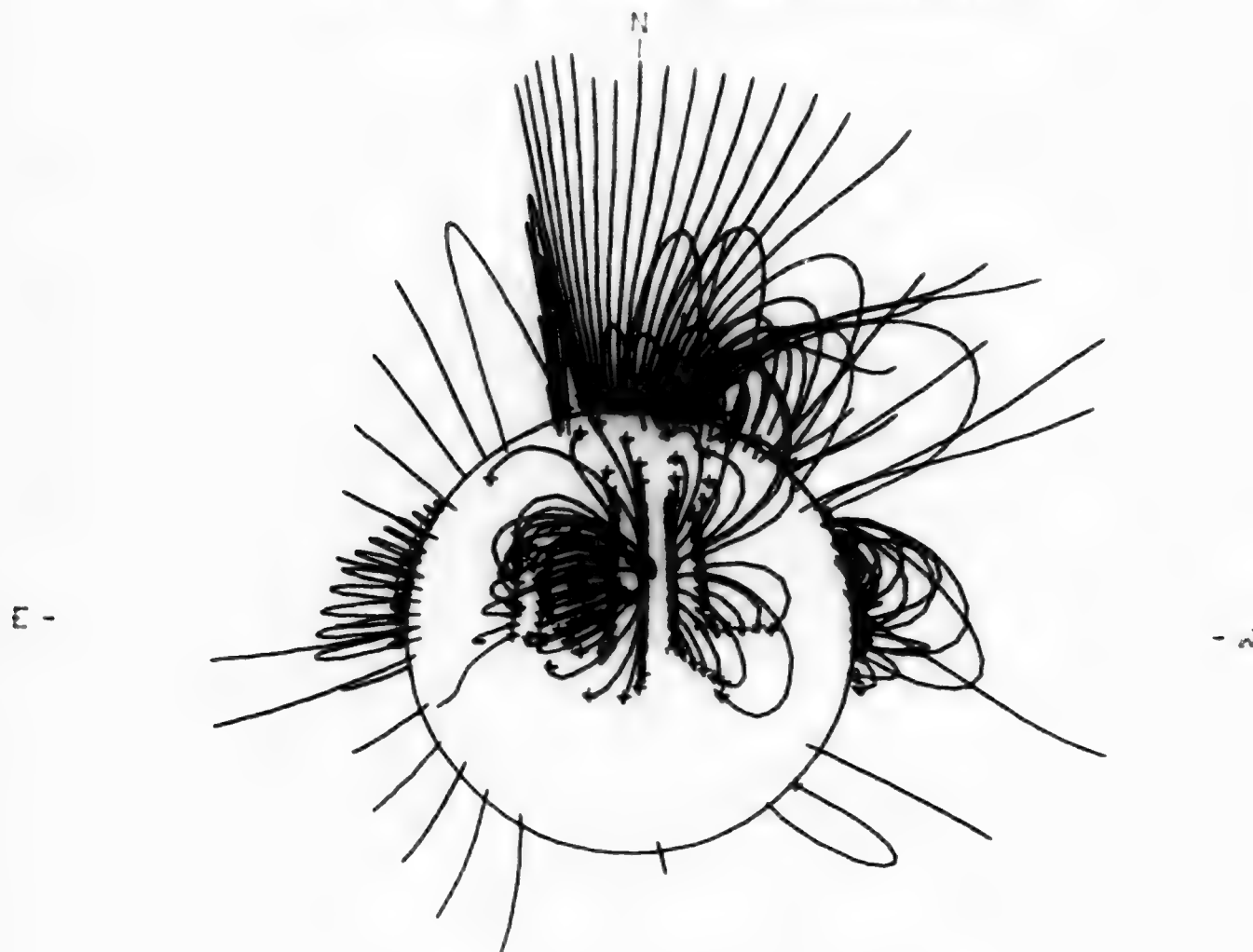


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1475.00

S

ROT. 1475 1475.00
20. 1475 1475

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

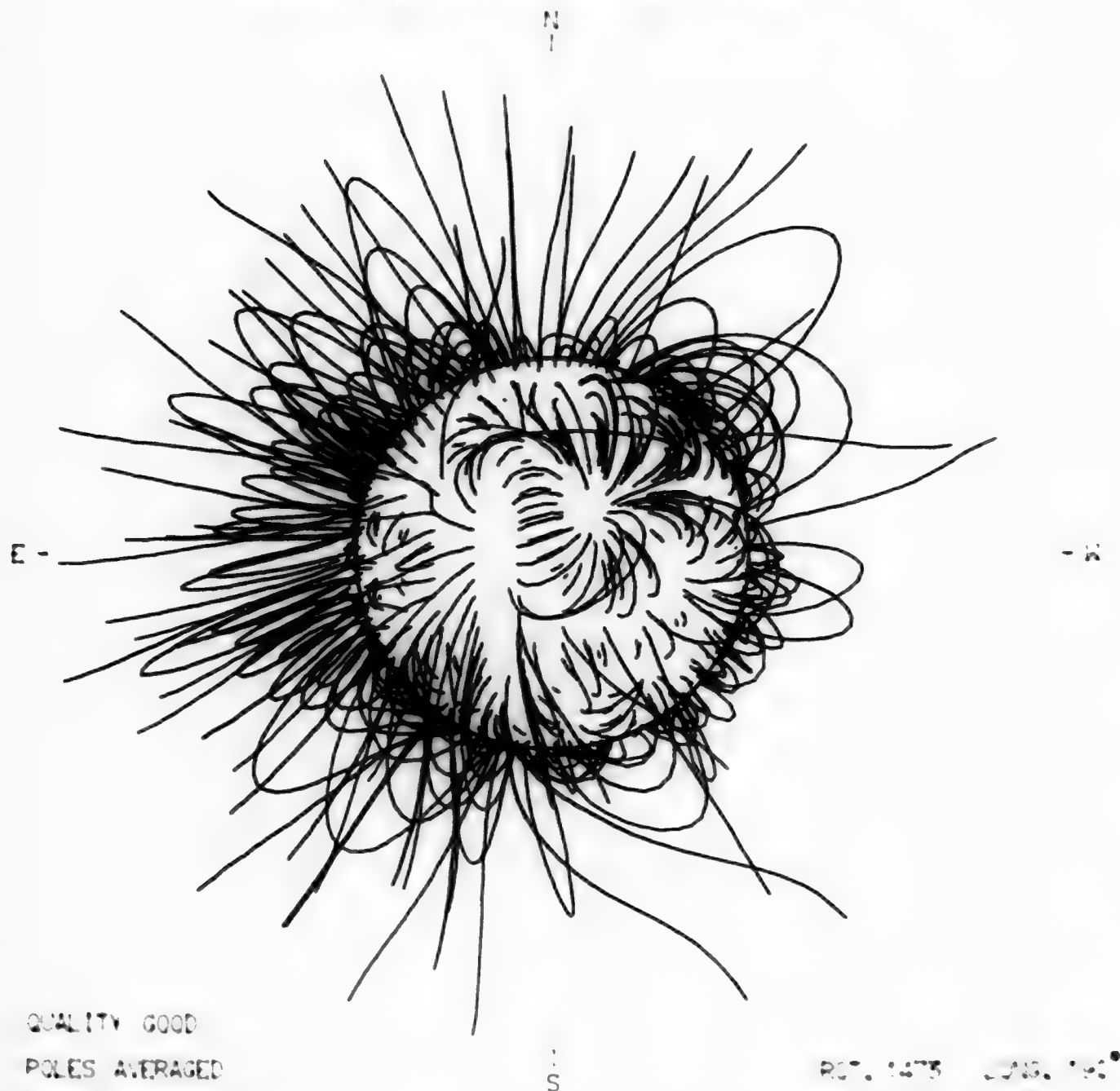
DATA WINDOW 1473.00

1
S

ROT. 1473 1473.000

26.1 00 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

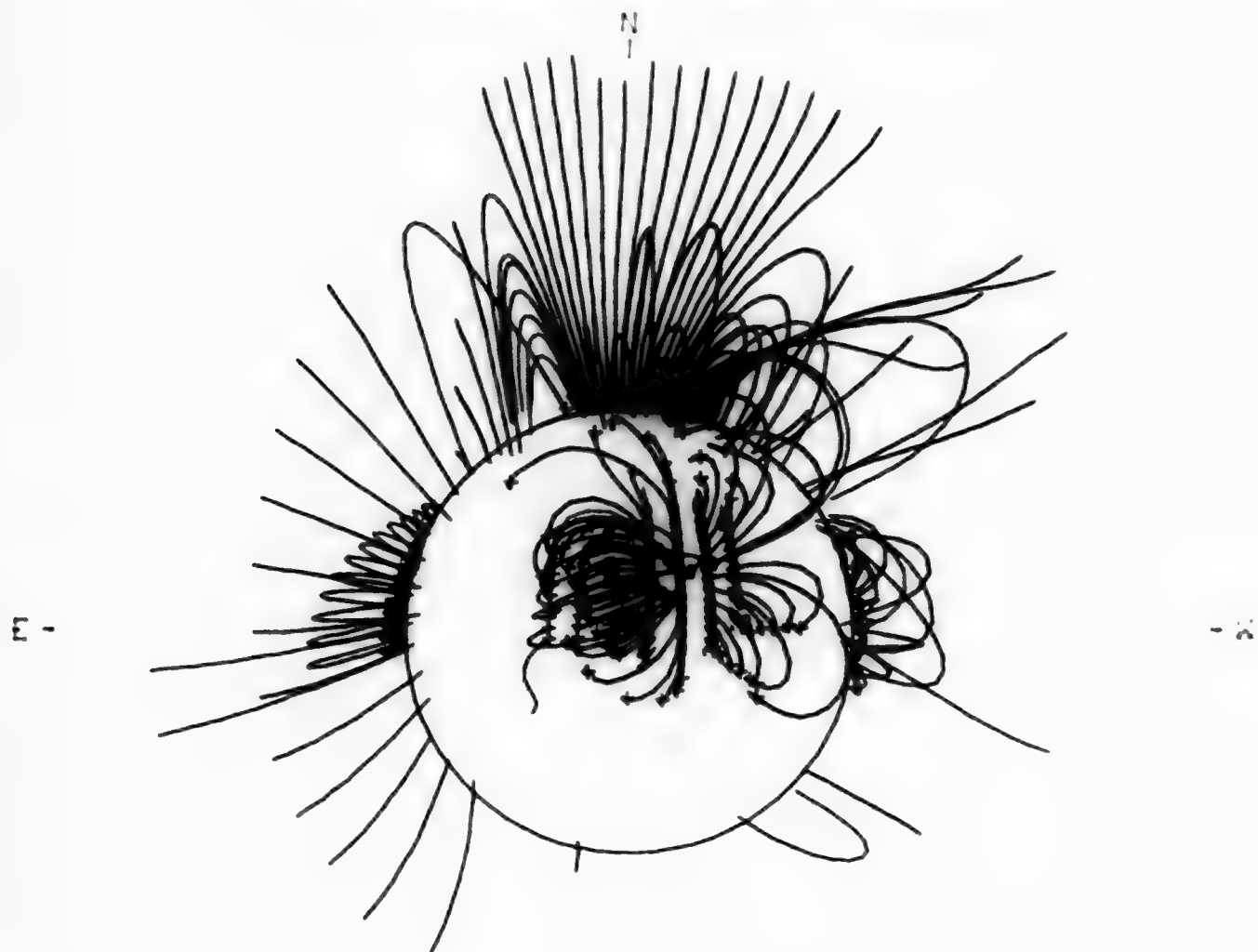
POLES AVERAGED

DATA WINDOW 1473.00

ROT. 1473 1416. 1416

26.9 1473 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

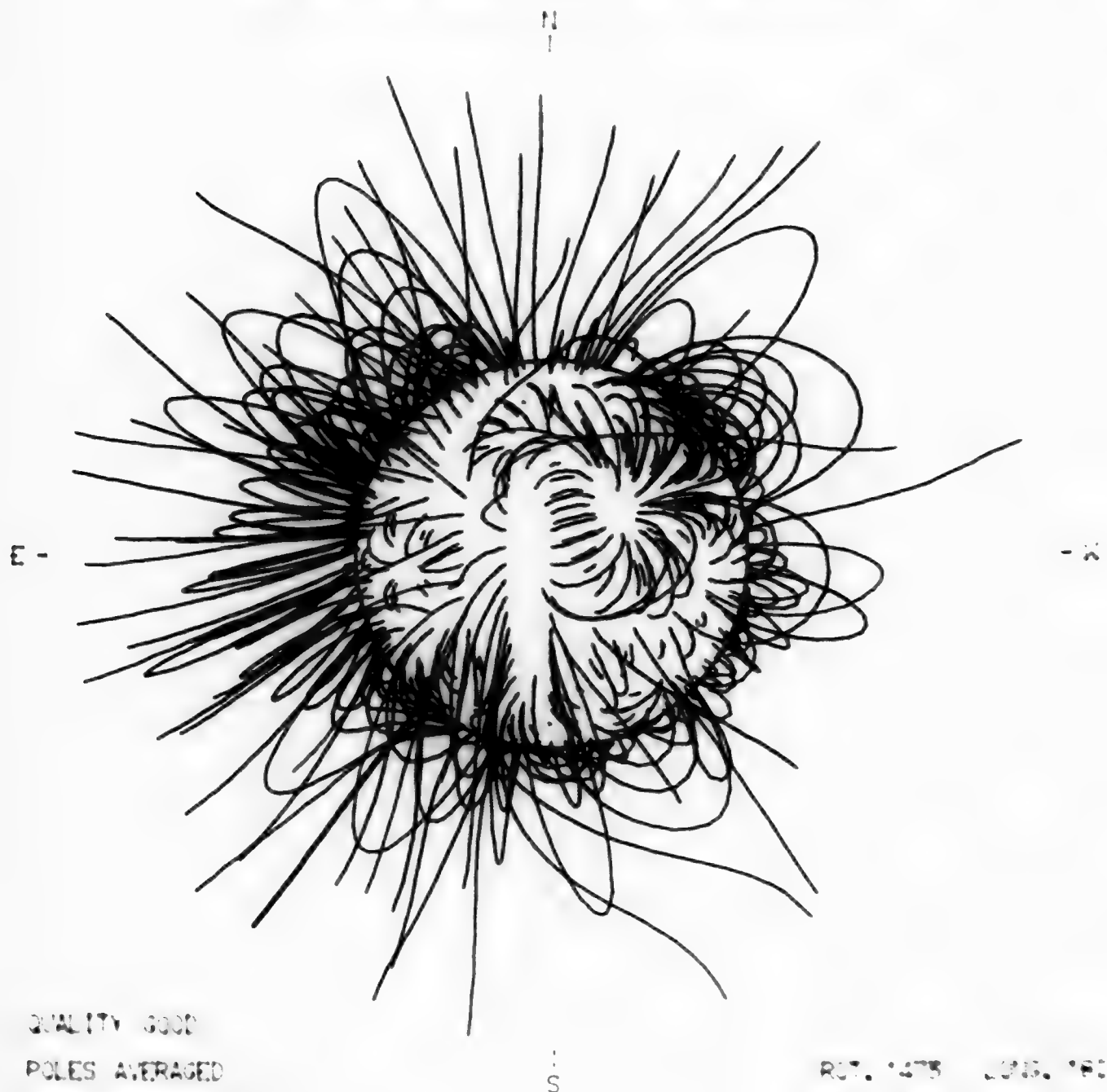
DATA WINDOW 1475.00

S

ROT. 1475 1475.00

26.9 1475 1475

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



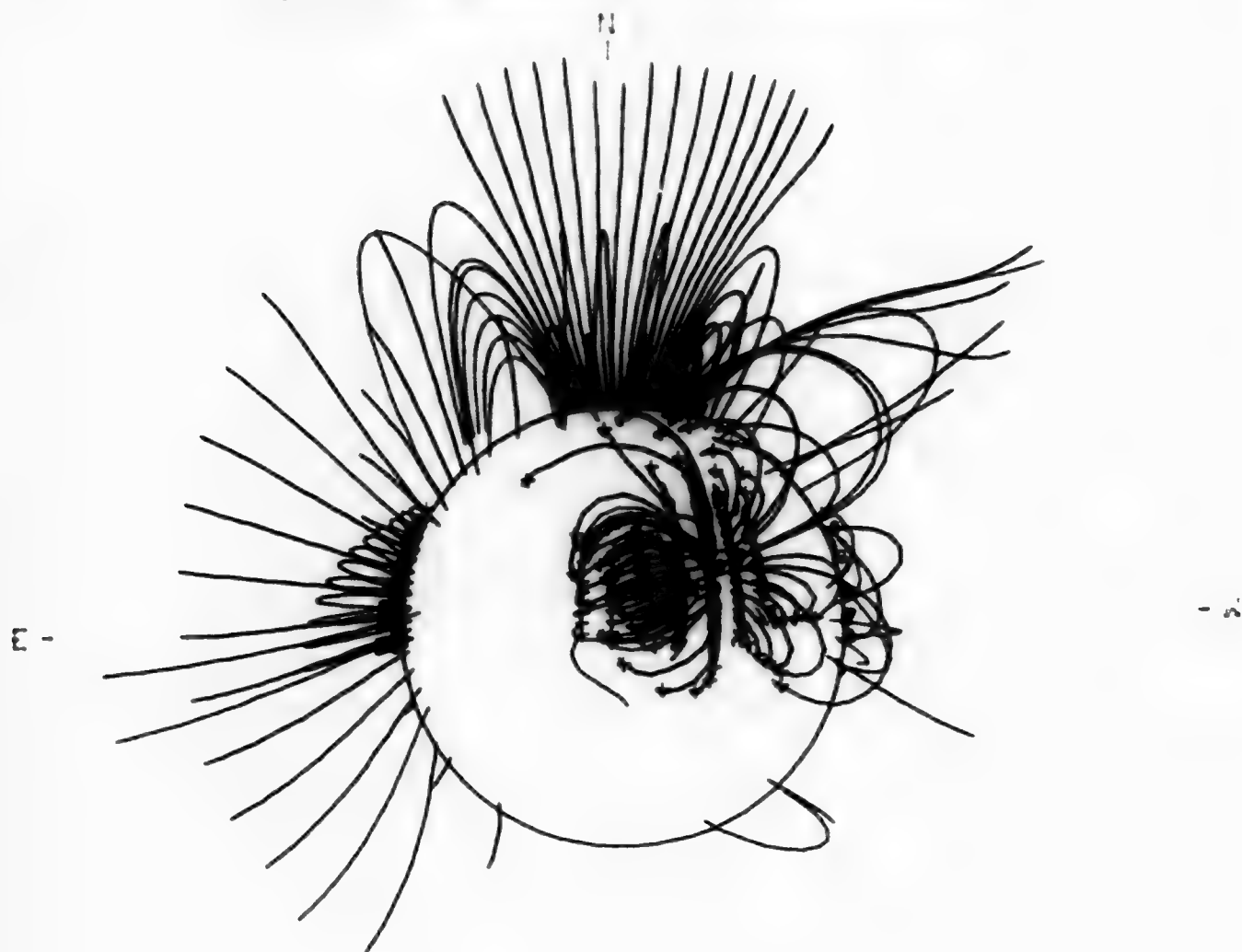
QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1473.00

ROT. 1473 2015. 191°
27.6 107 1985

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

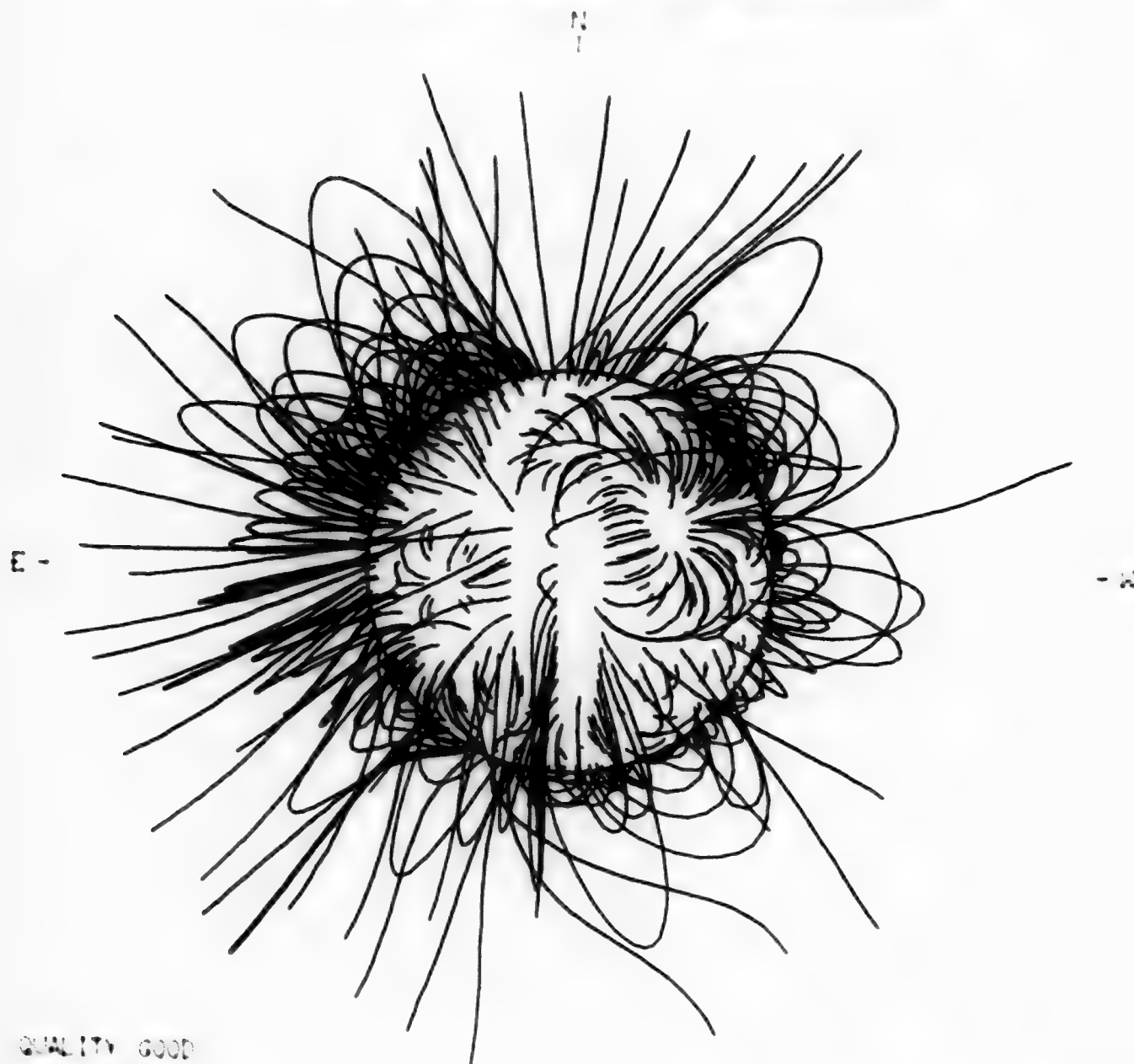


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1473.00

1
S

ROT. 1473 1015. 181°
27.6 101° 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

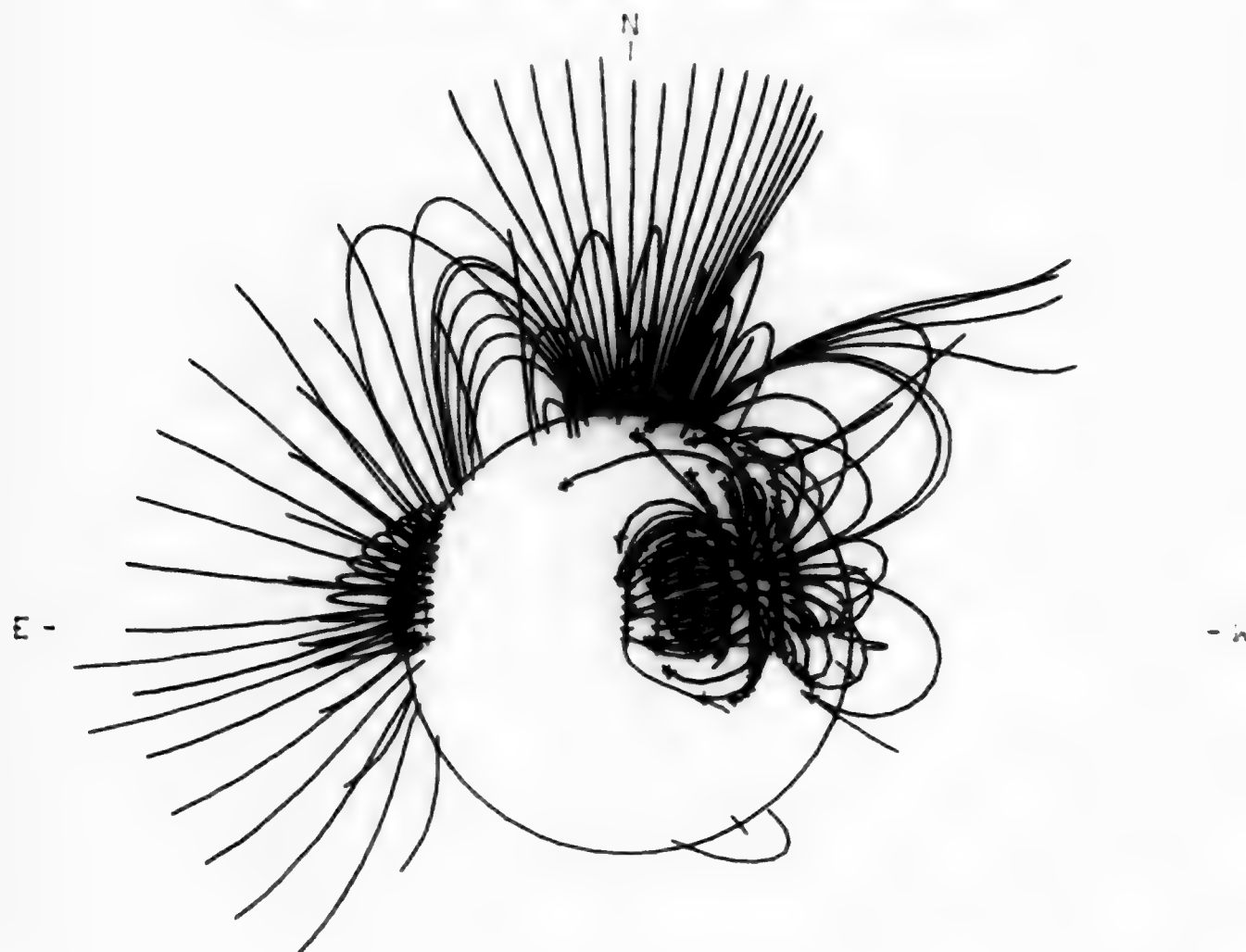
DATA WINDOW 1473.00

S

R.L.T. 1473 2016. 171°

28.4 OCT 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

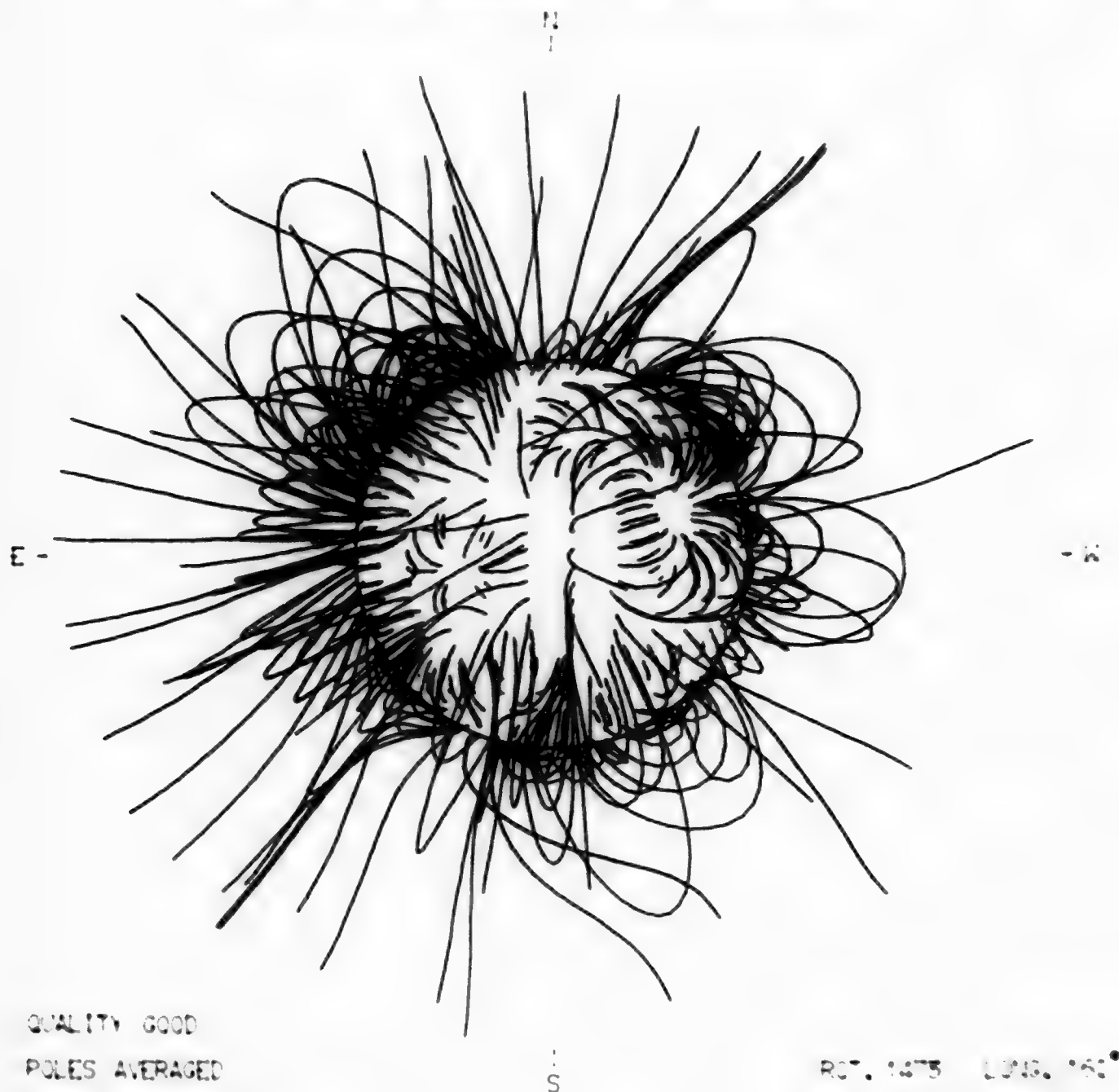
DATA WINDOW 1473.00

1
S

ROT. 1473 COND. 171

28.4 00 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

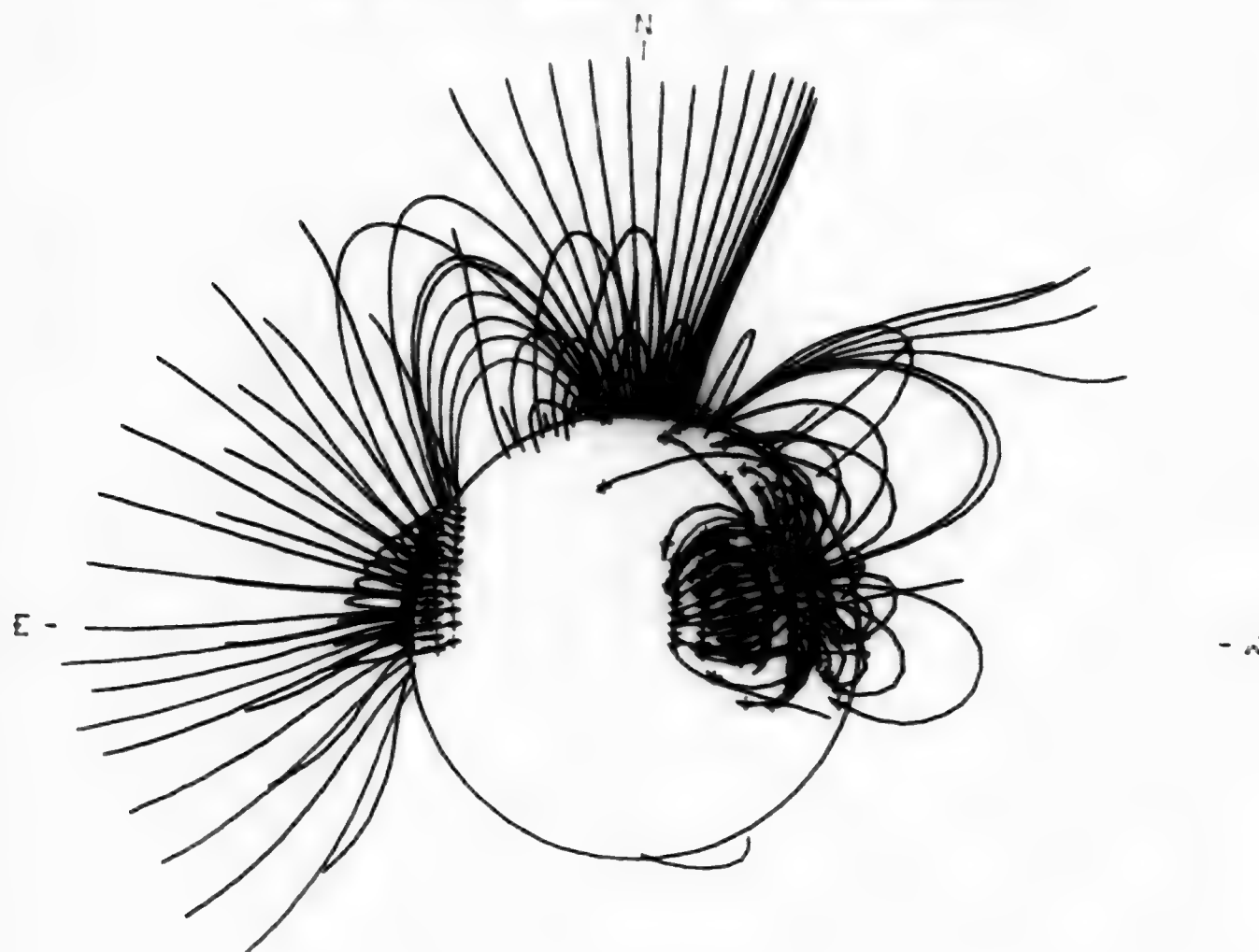
POLES AVERAGED

DATA WINDOW 1473.00

ROT. 1473 LONG. 160°

29.1 90° 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

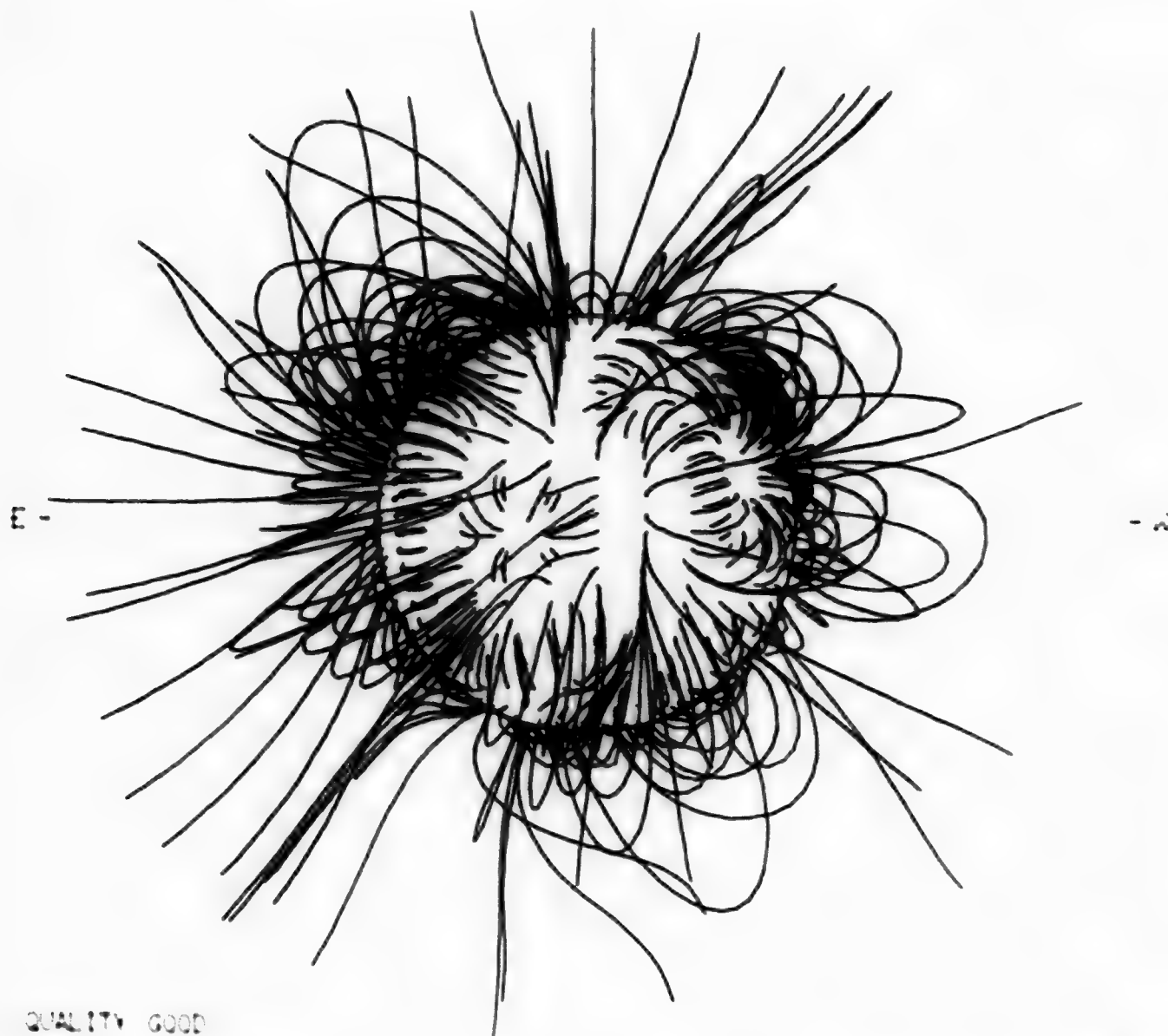
DATA WINDOW 1475.00

S

ROT. 1475 LONG. 140°

24.1 100 1405

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

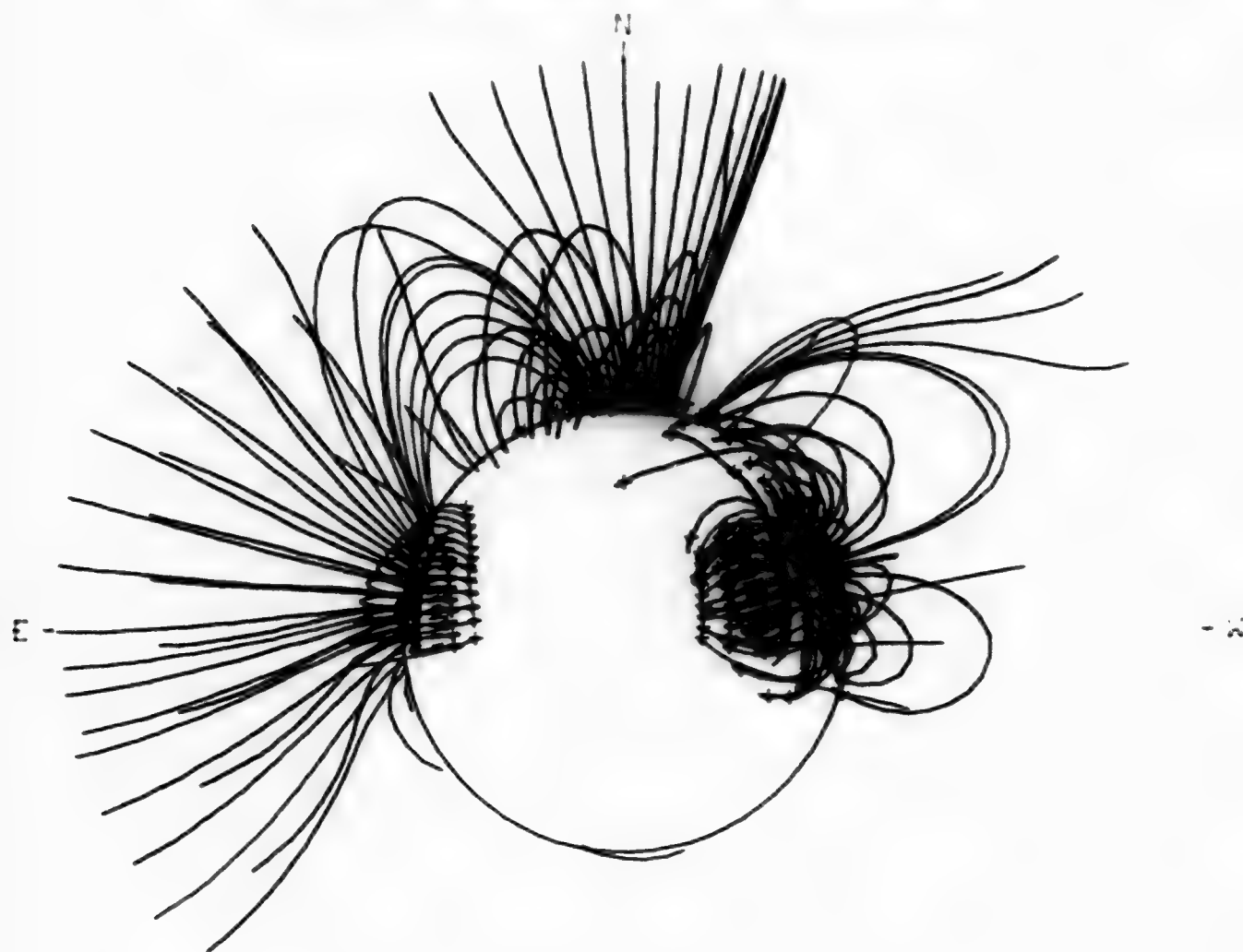
DATA WINDOW 1473.00

S

ROT. 1473 1016. 150°

29.4 117 1955

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

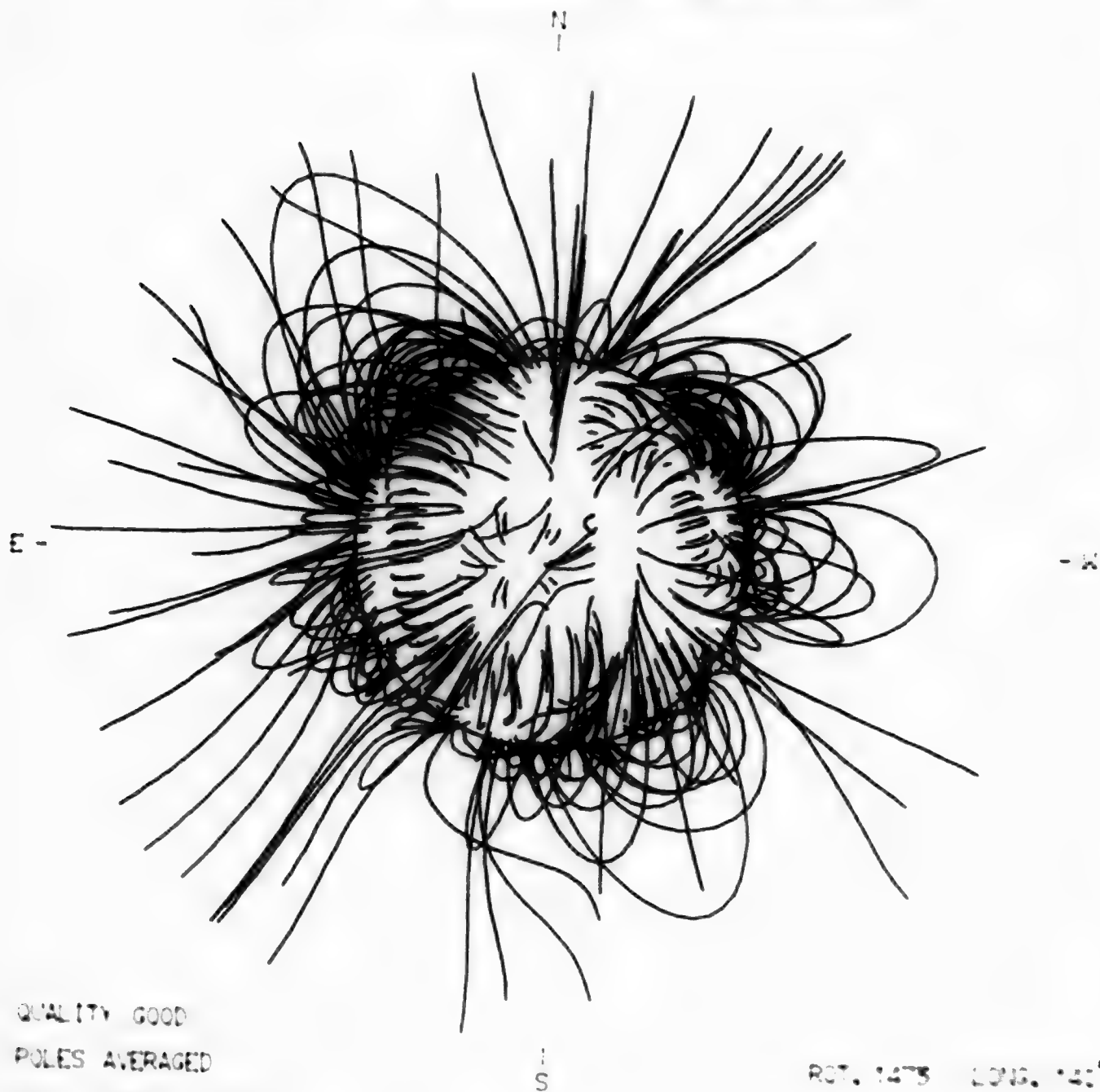
DATA WINDOW 1473.00

1
S

RUT. 1473 2013.151°

29.9 007 1968

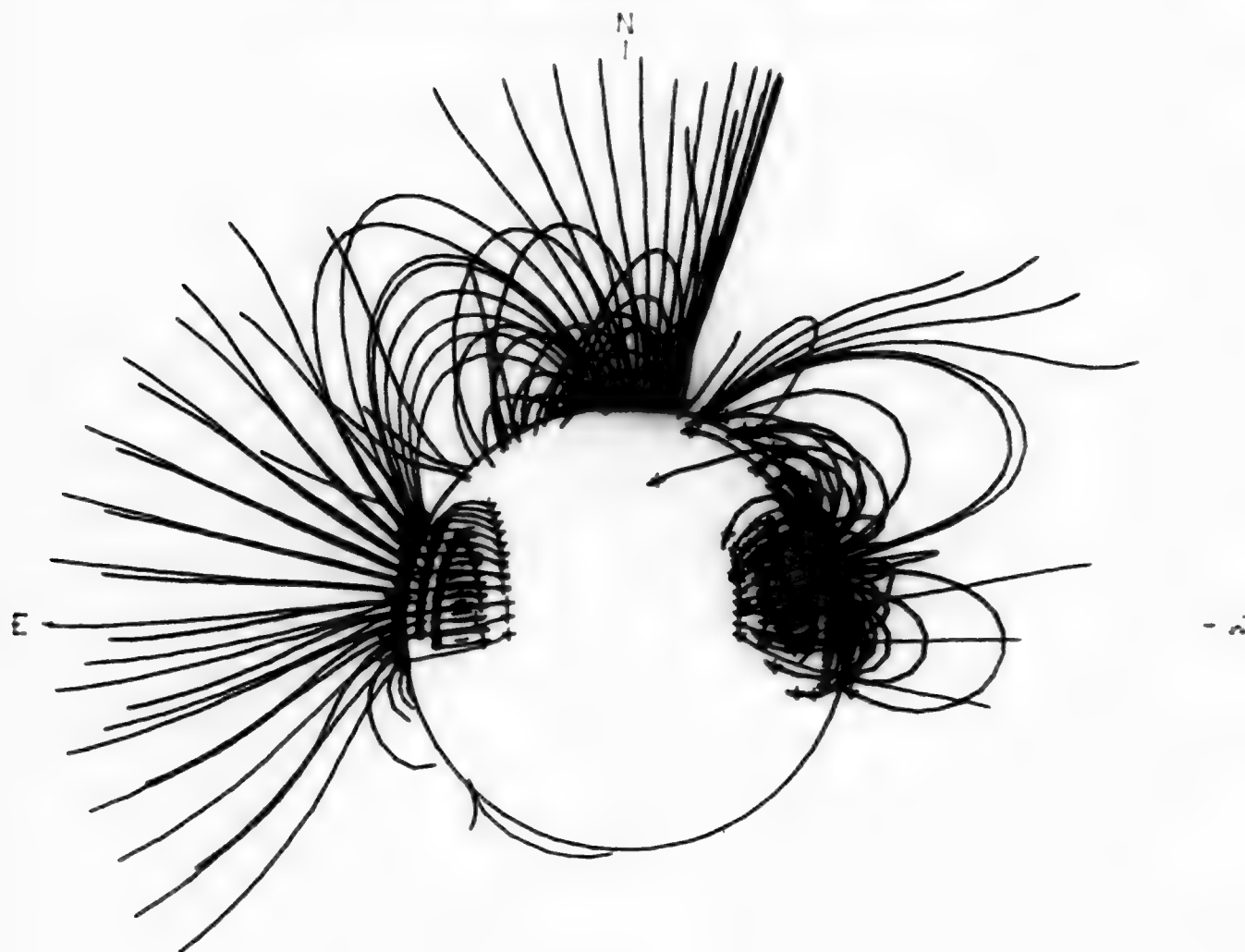
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1473.00

ROT. 1473 LONG. 141°
30.6 OCT 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

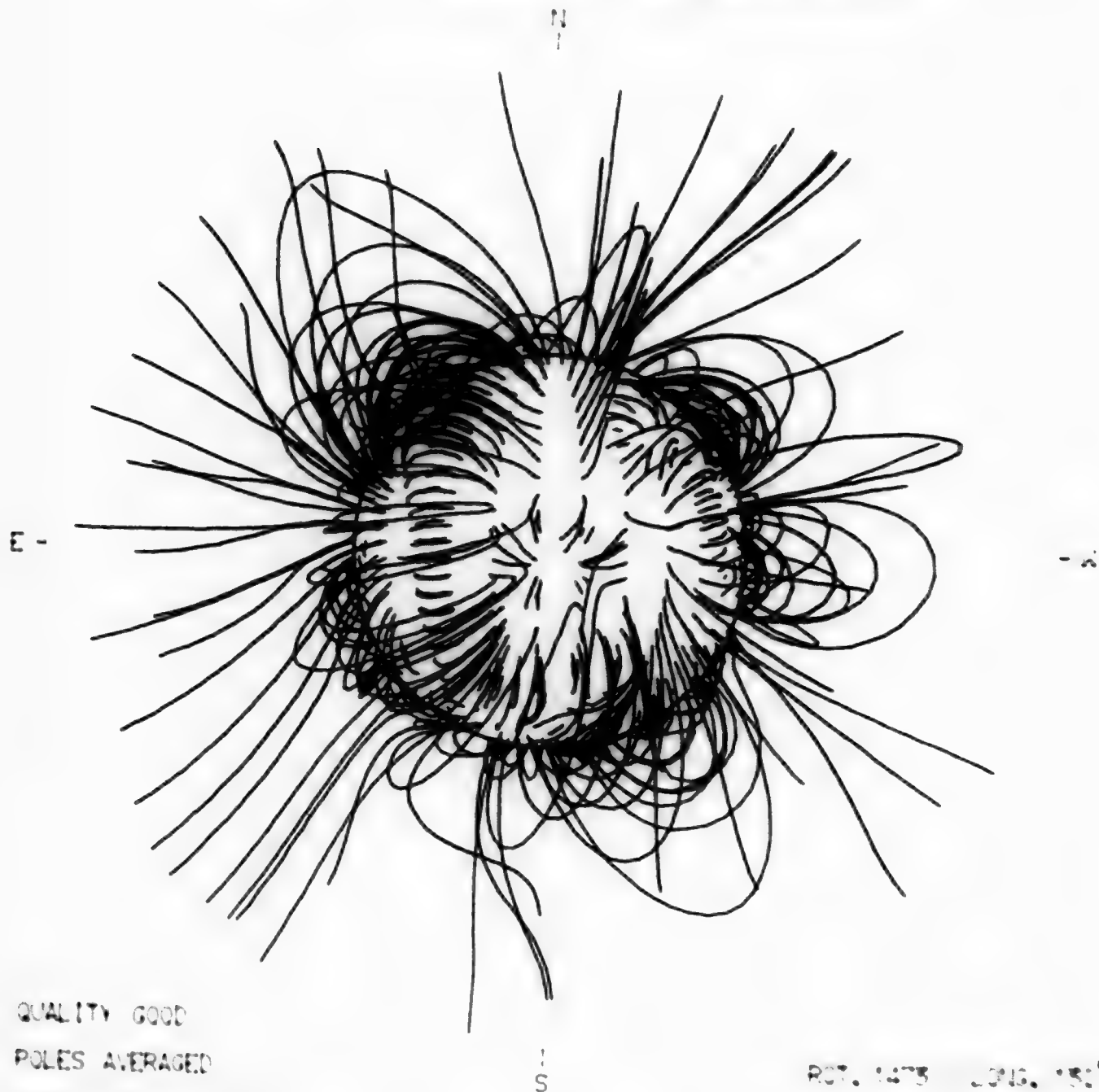
DATA WINDOW 1473.00

S

ROT. 1473 LONG. 141°

30.6 OCT 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

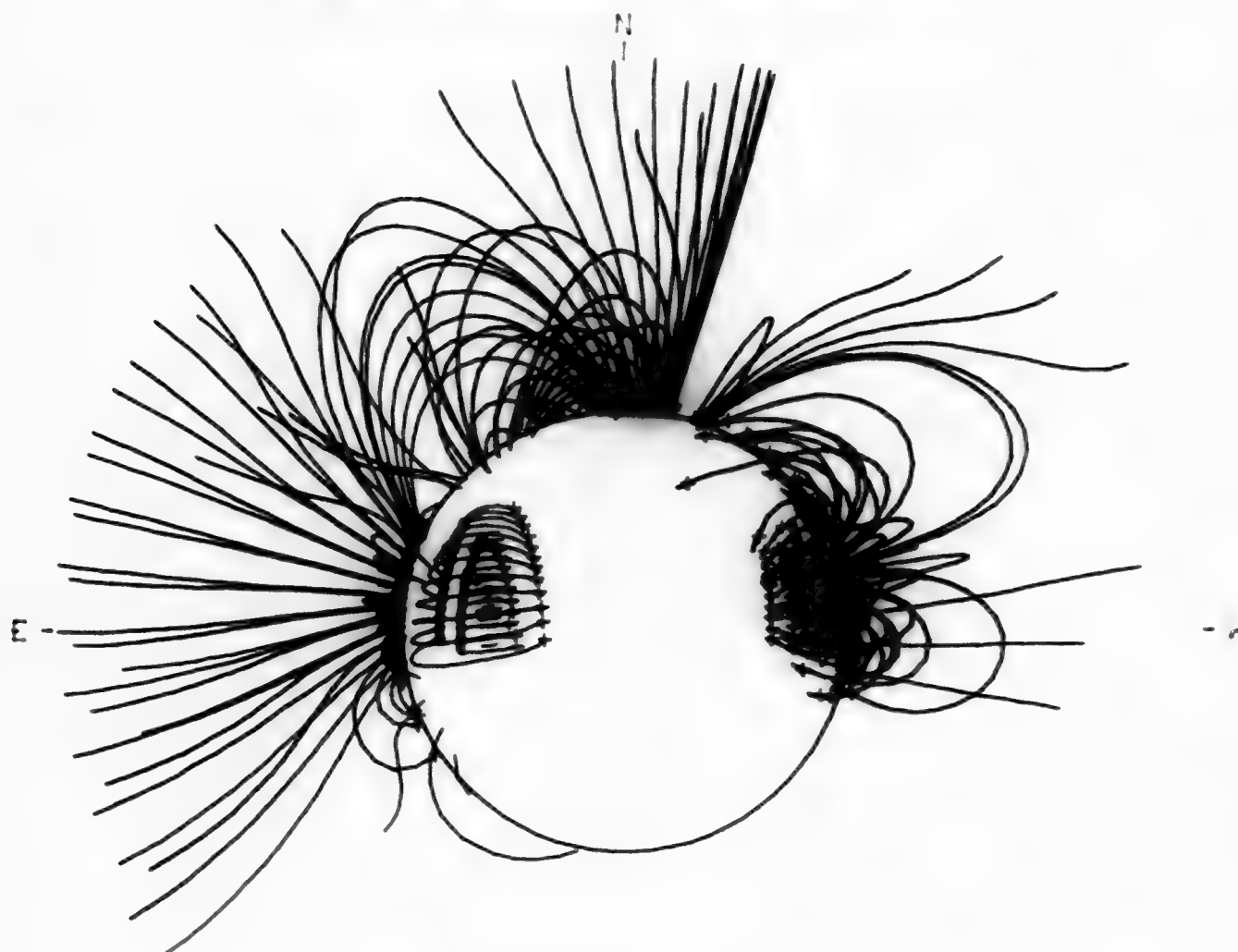
POLES AVERAGED

DATA WINDOW 1473.00

ROT. 1473 1016. 131°

31.4 117 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

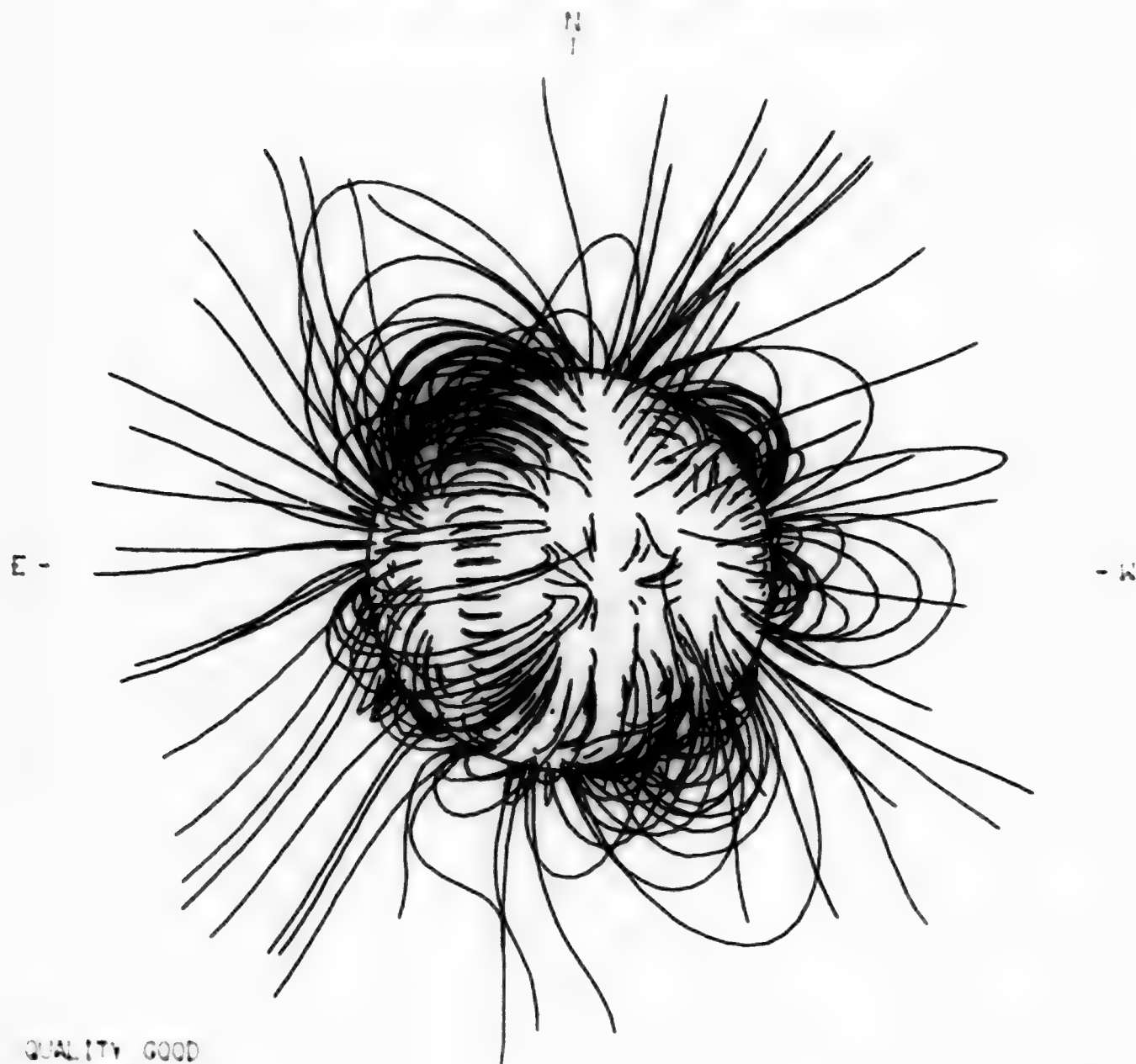
DATA WINDOW 1473.00

S

ROT. 1473 LONG. 151°

51.4 OCT 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

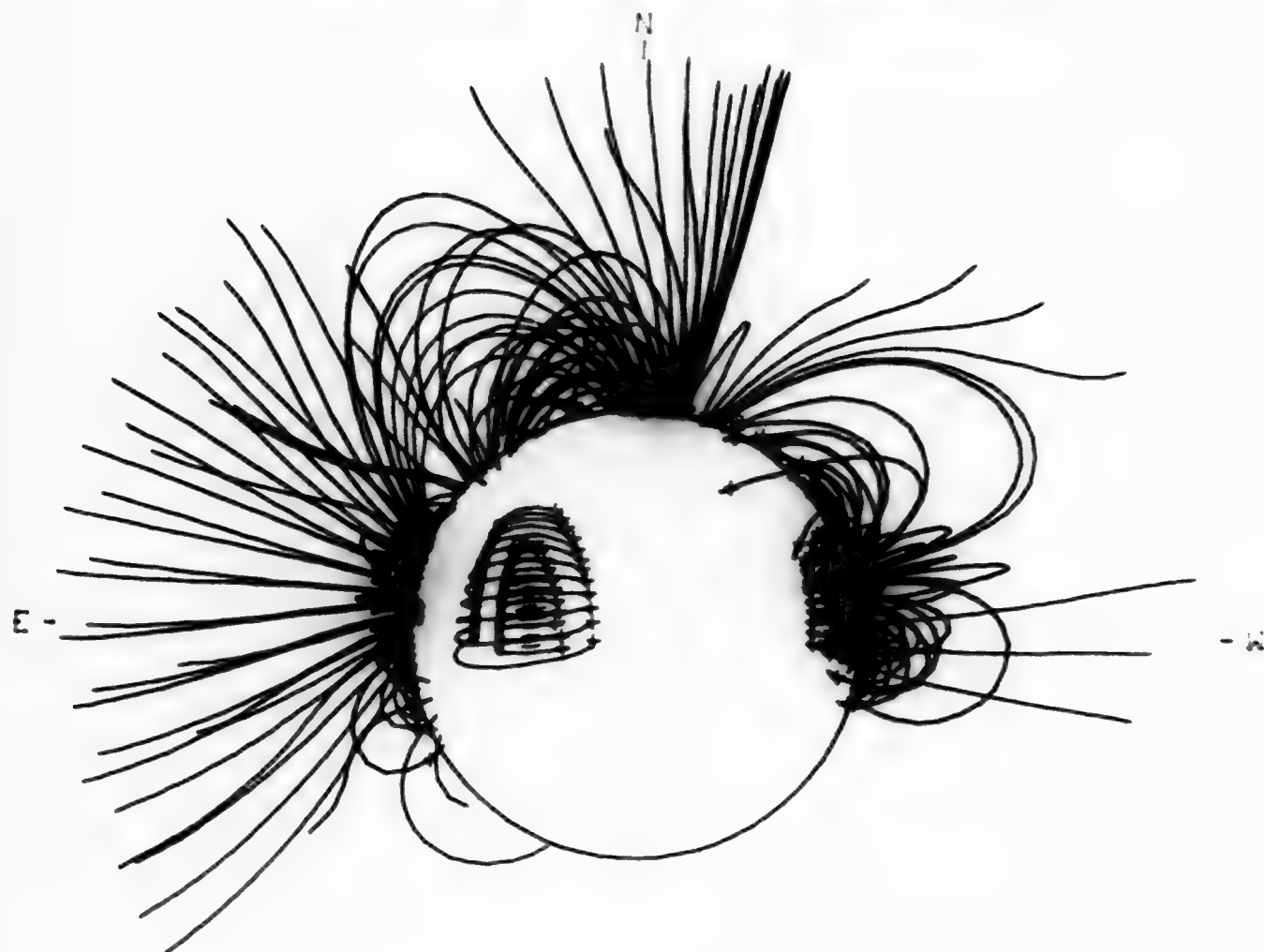
DATA WINDOW 1473.00

S

ROT. 1473 LONG. 121°

1.2 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

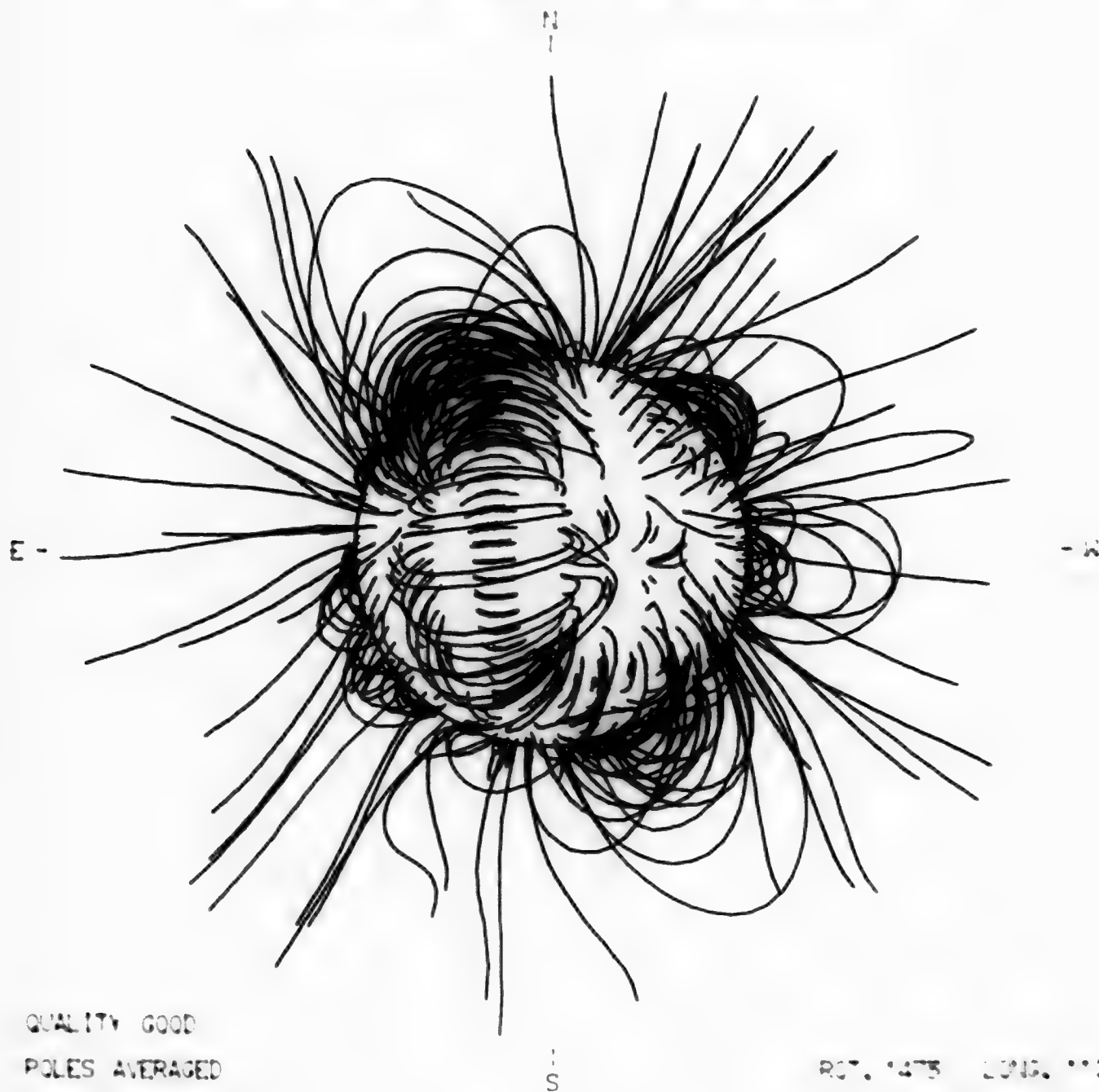
DATA WINDOW 1473.00

S

ROT. 1473 LONG. 121°

1.2 10.1 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

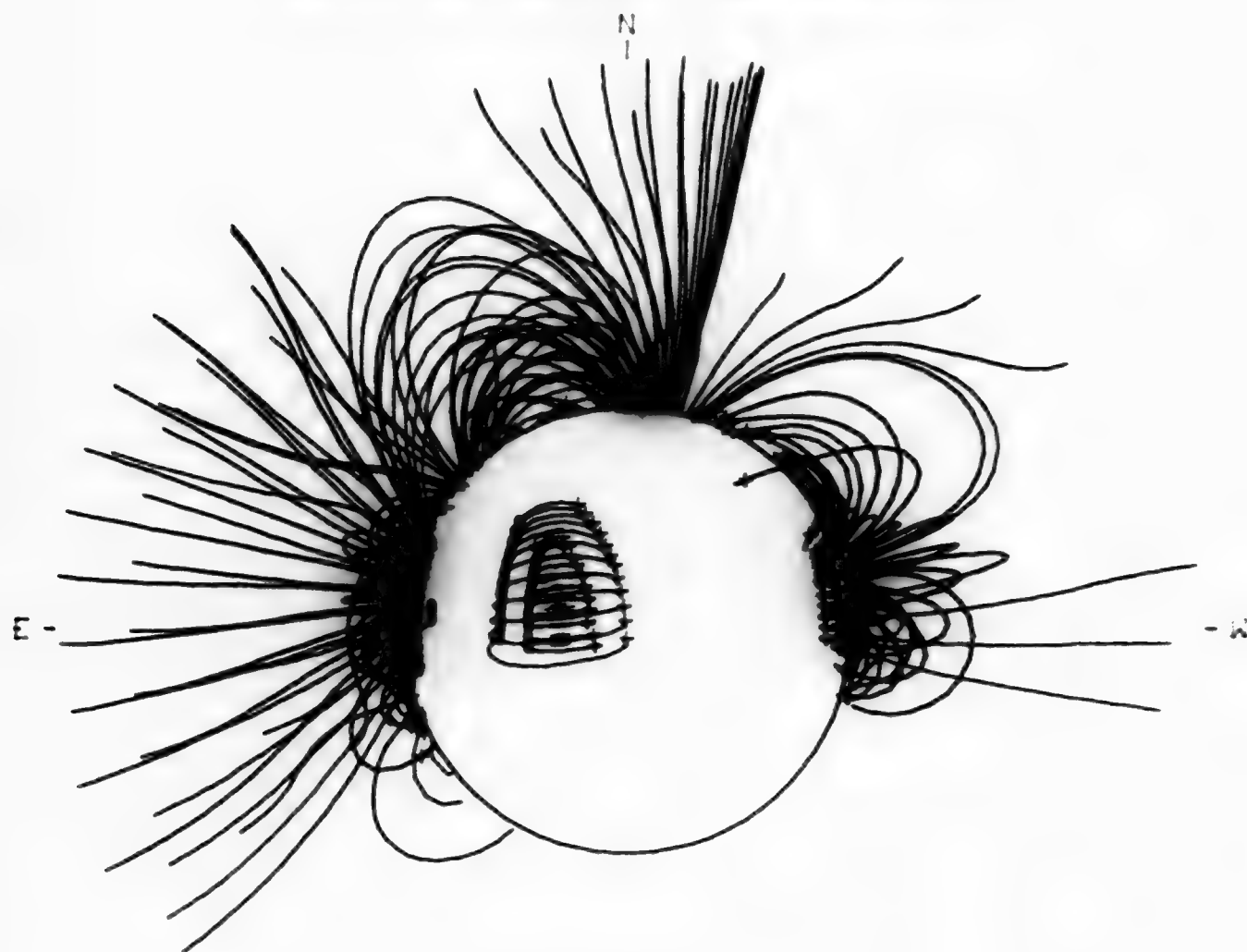
POLES AVERAGED

DATA WINDOW 1473.00

ROT. 1473 LONG. 111°

1.9 100 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

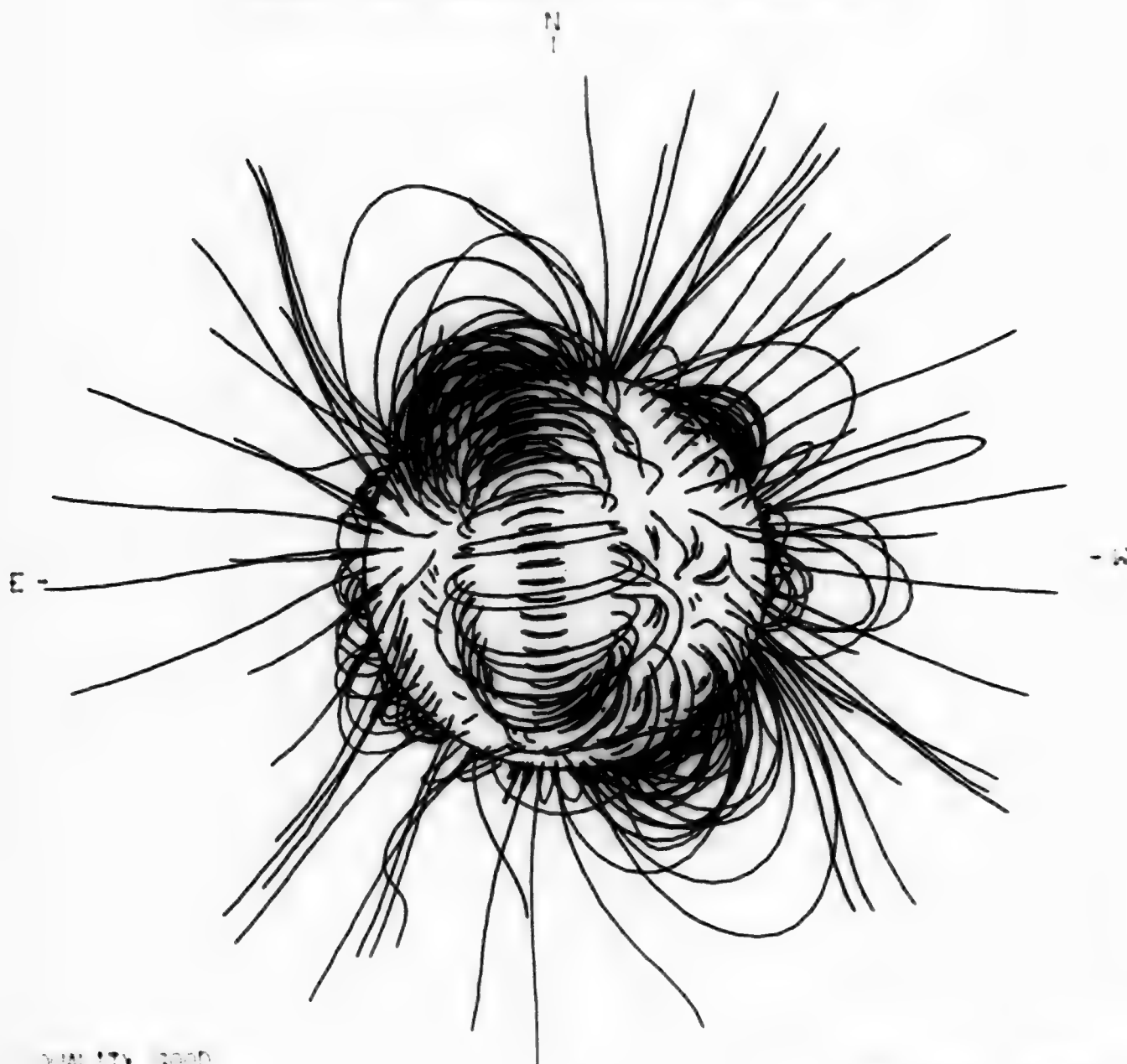
DATA WINDOW 1475.00

S

ROT. 1475 LONG. 111°

1.5 100 1955

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1473.00

S

ROT. 1473 1015.111
2.7 101 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

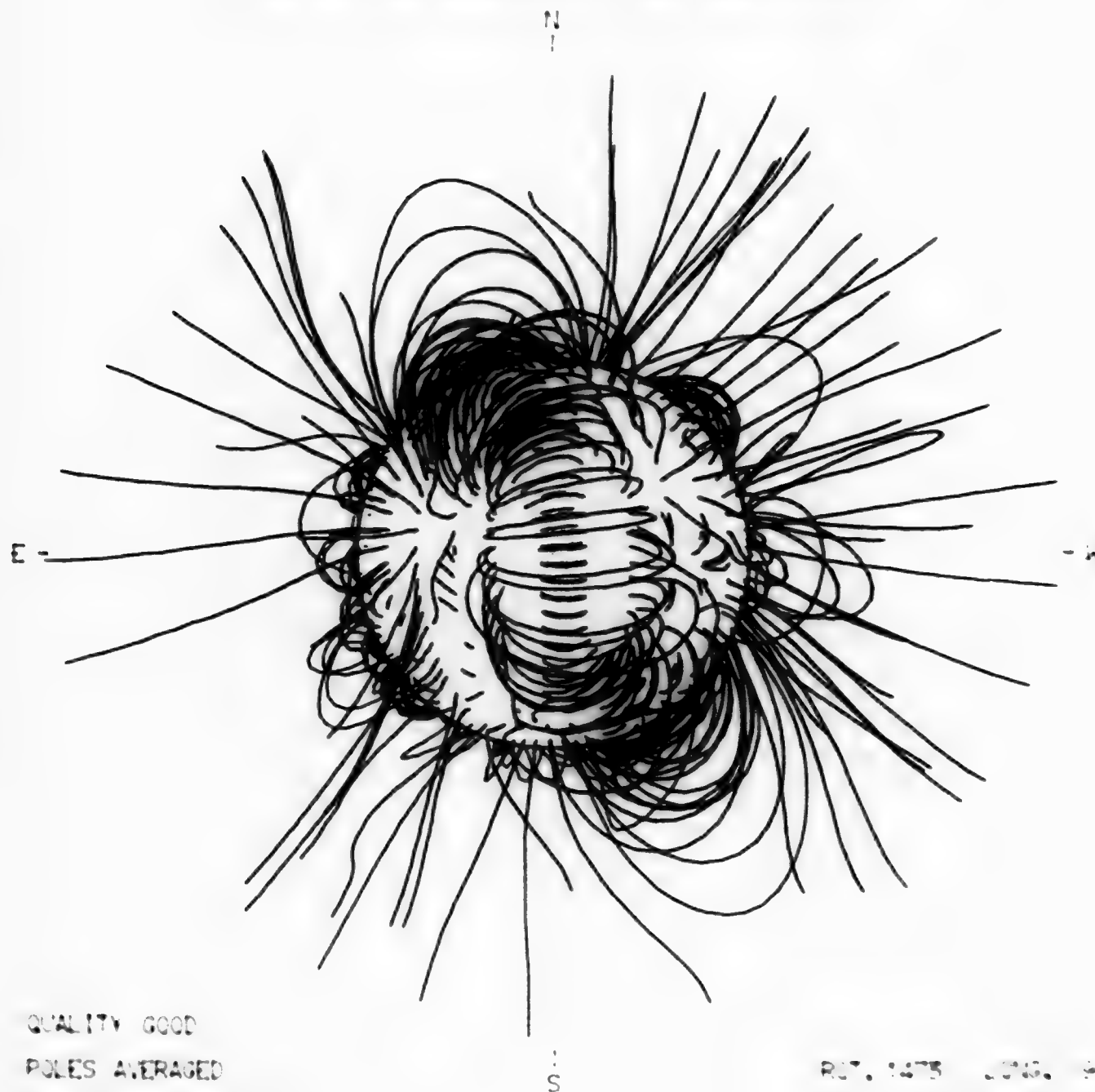


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1475.00

1
S

ROT. 1475 LONG. 111°
2.7 107 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



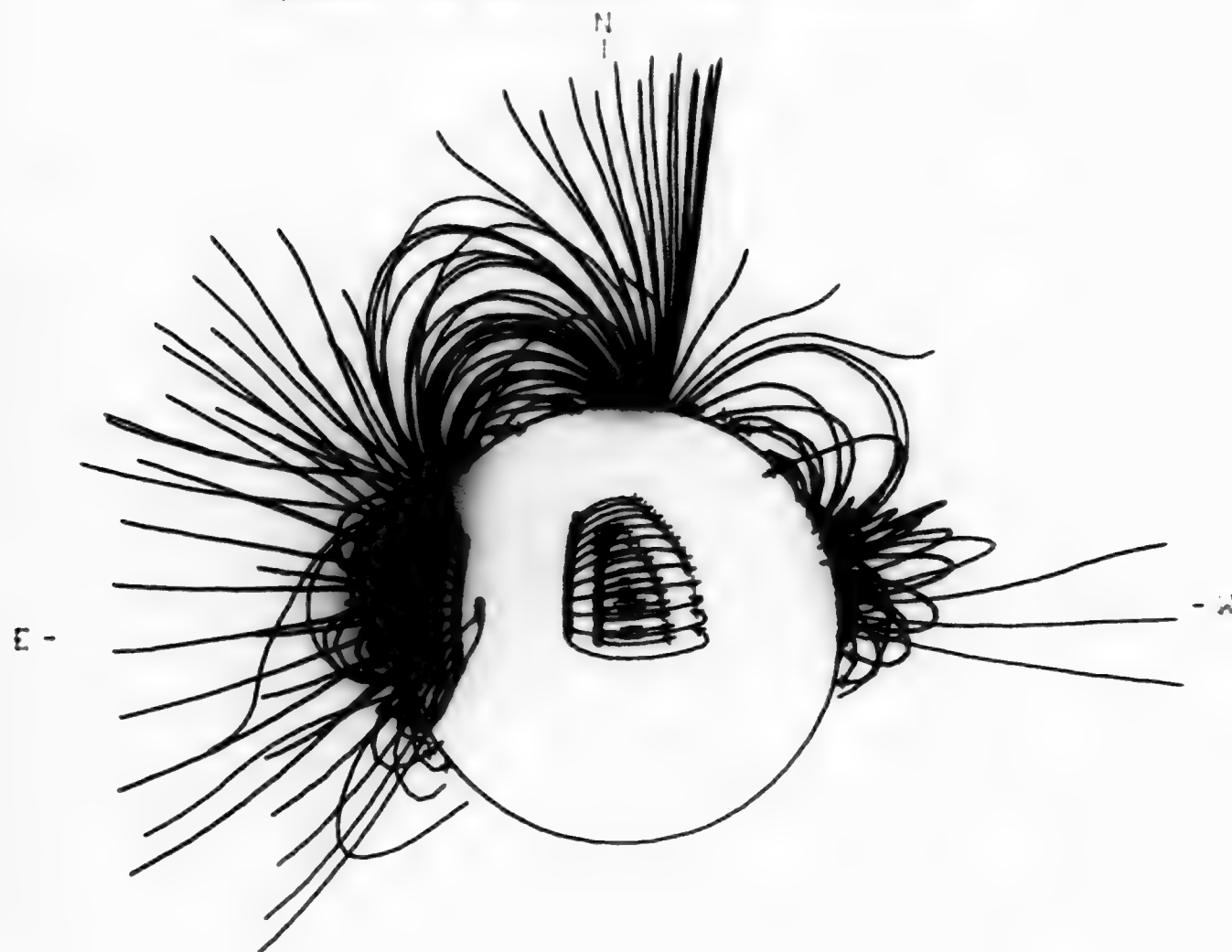
QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1475.00

ROT. 1475 1010. 90°
3.4 101 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

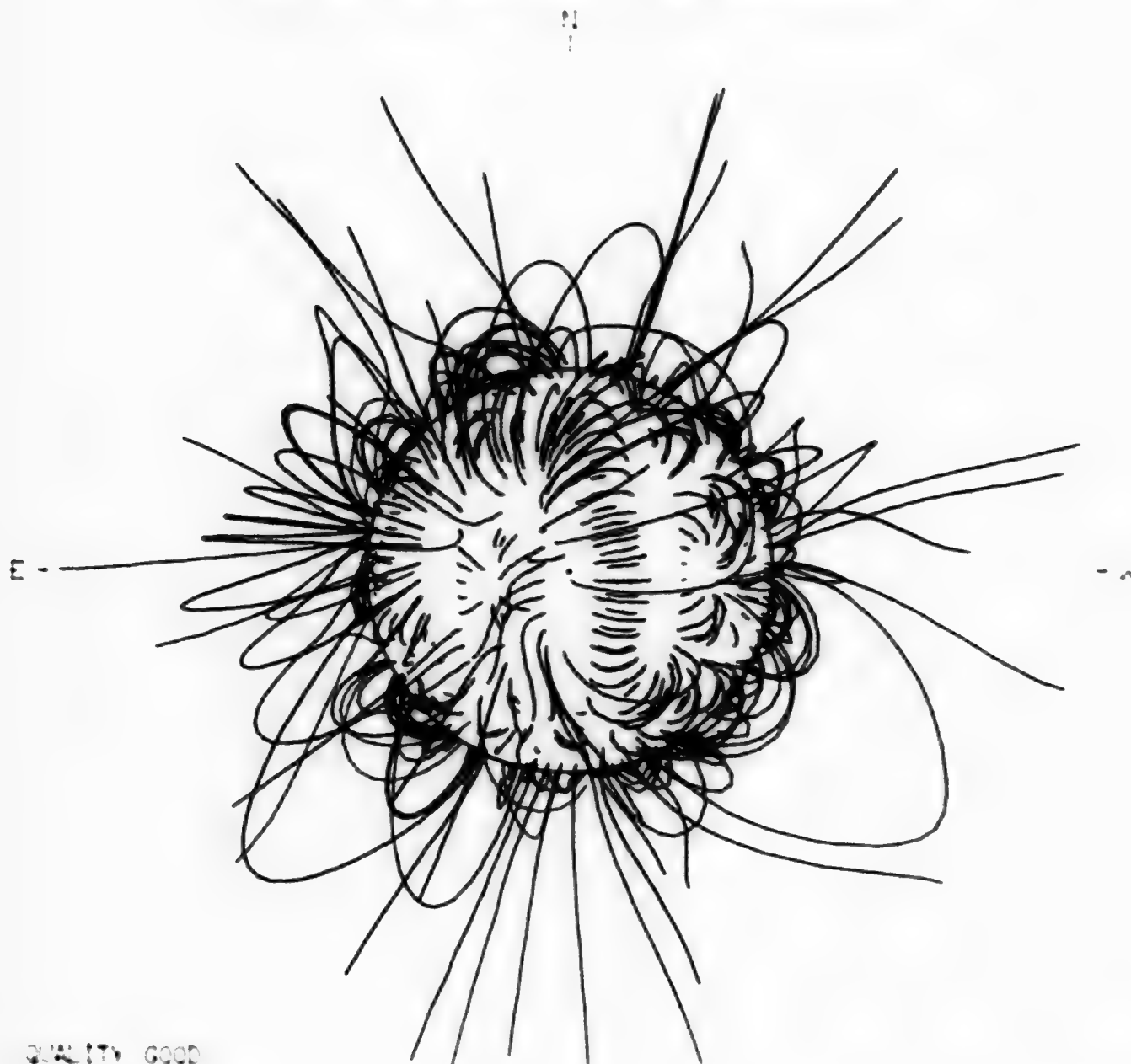


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1473.00

S

ROT. 1473 2046. 90°
3.4 NOV 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

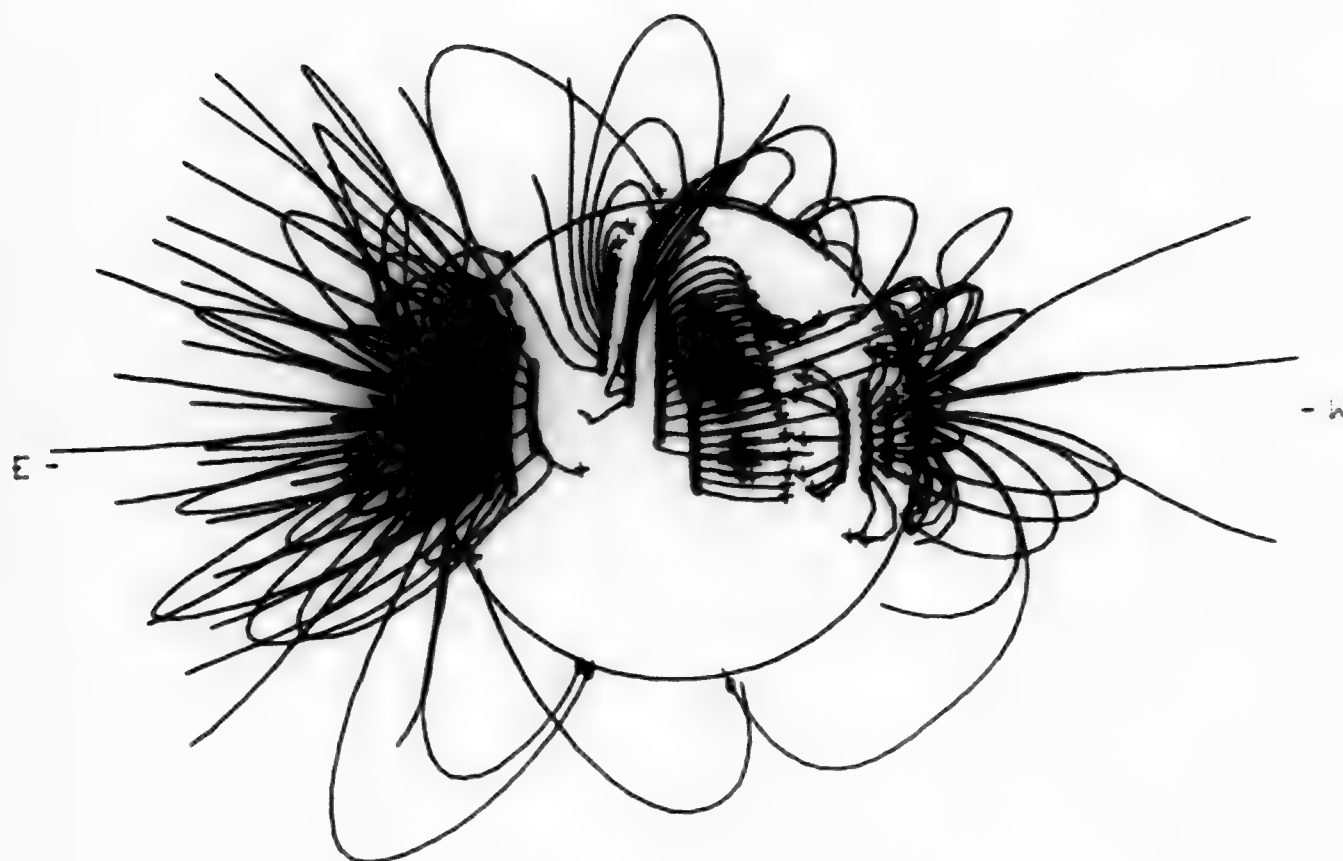
DATA WINDOW 1473.47

S

REF. 1473 1473.47

4.2 1473.47

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

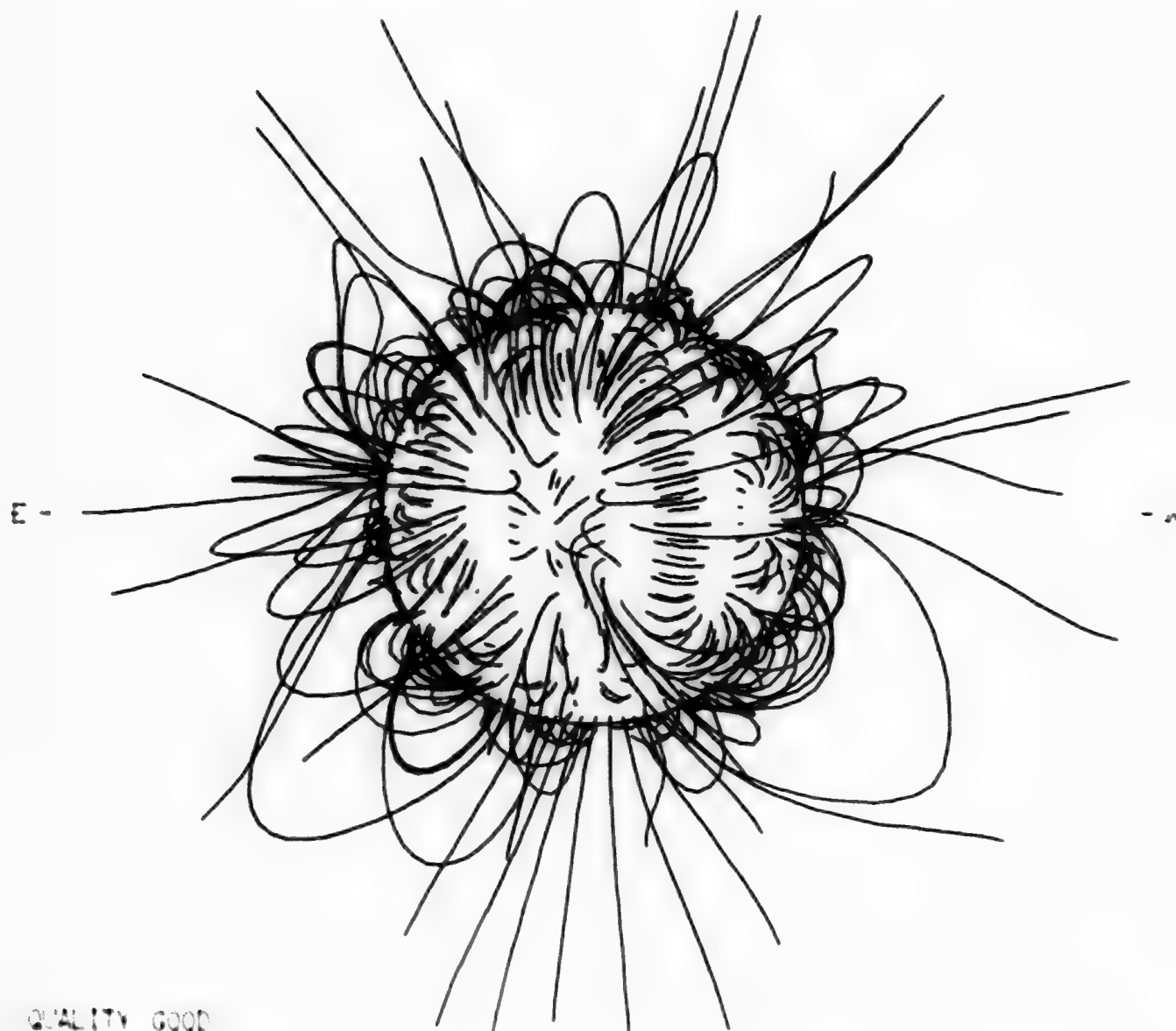


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1473.47

1
 S

ROT. 1473 LONG. 85°
 4.2 10.1 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

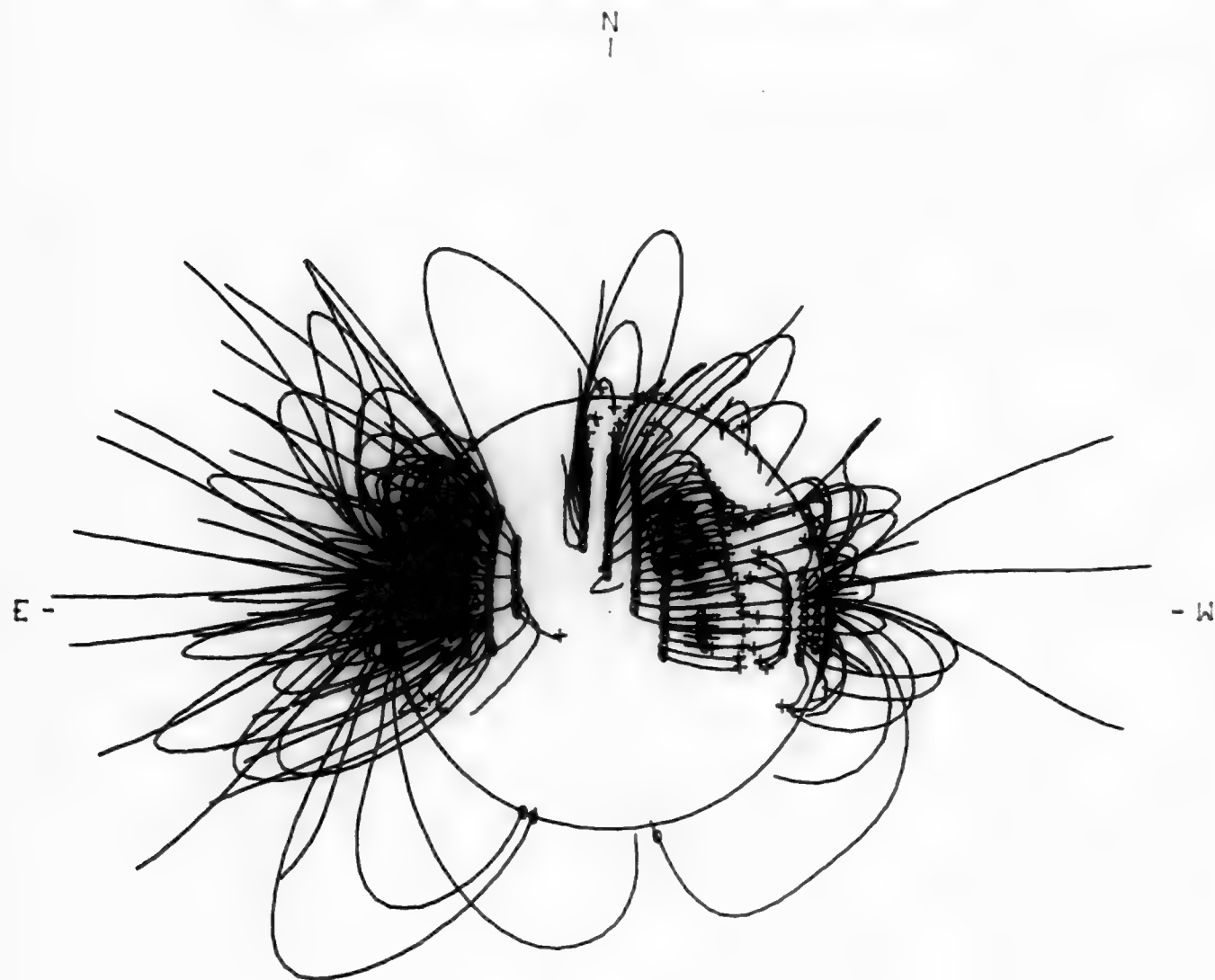
DATA WINDOW 1473.47

S

ROT. 1473 LONG. 70°

5.0 10. 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

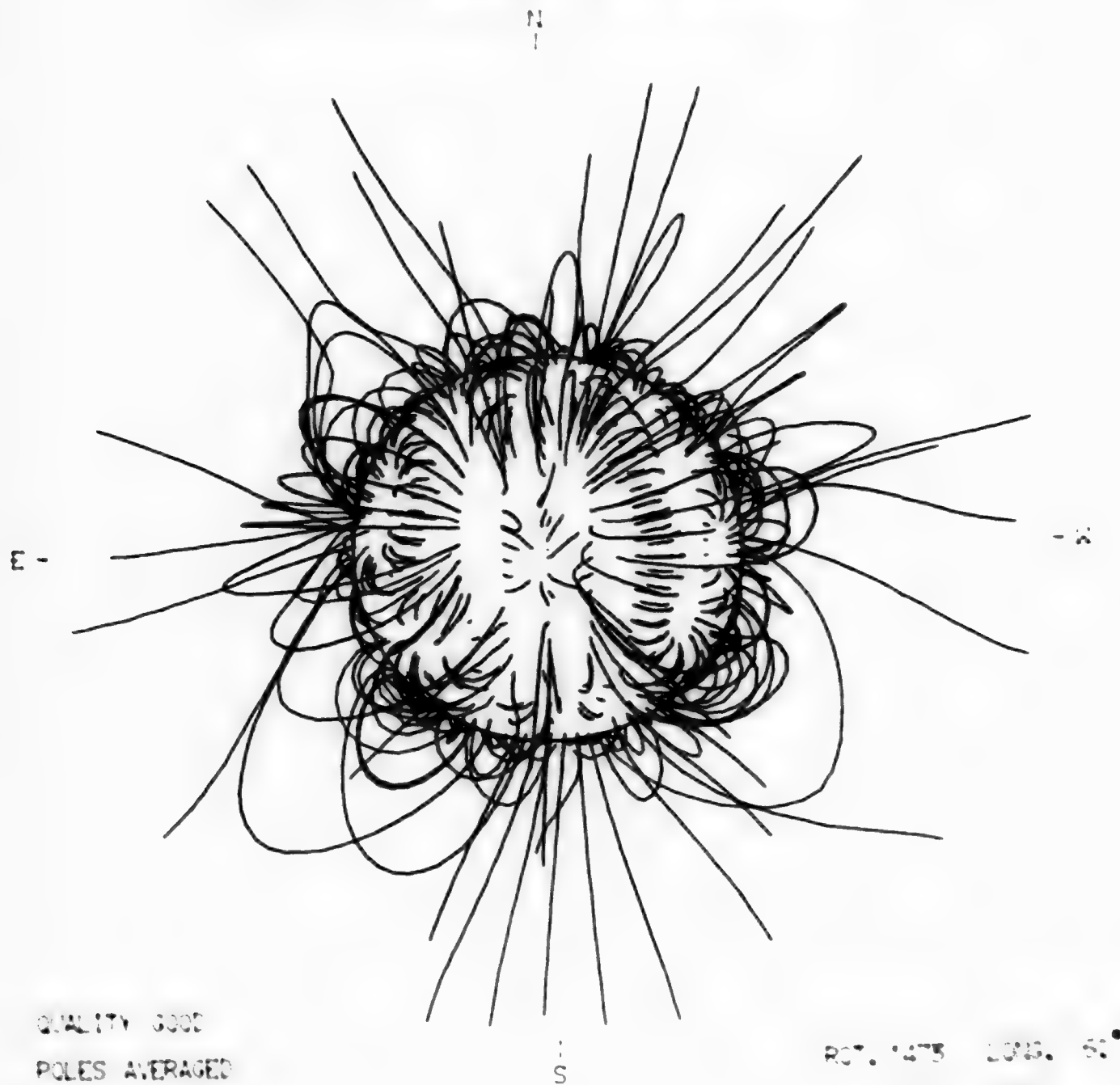
DATA WINDOW 1473.47

S

ROT. 1473 LONG. 70°

5.0 NOV 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



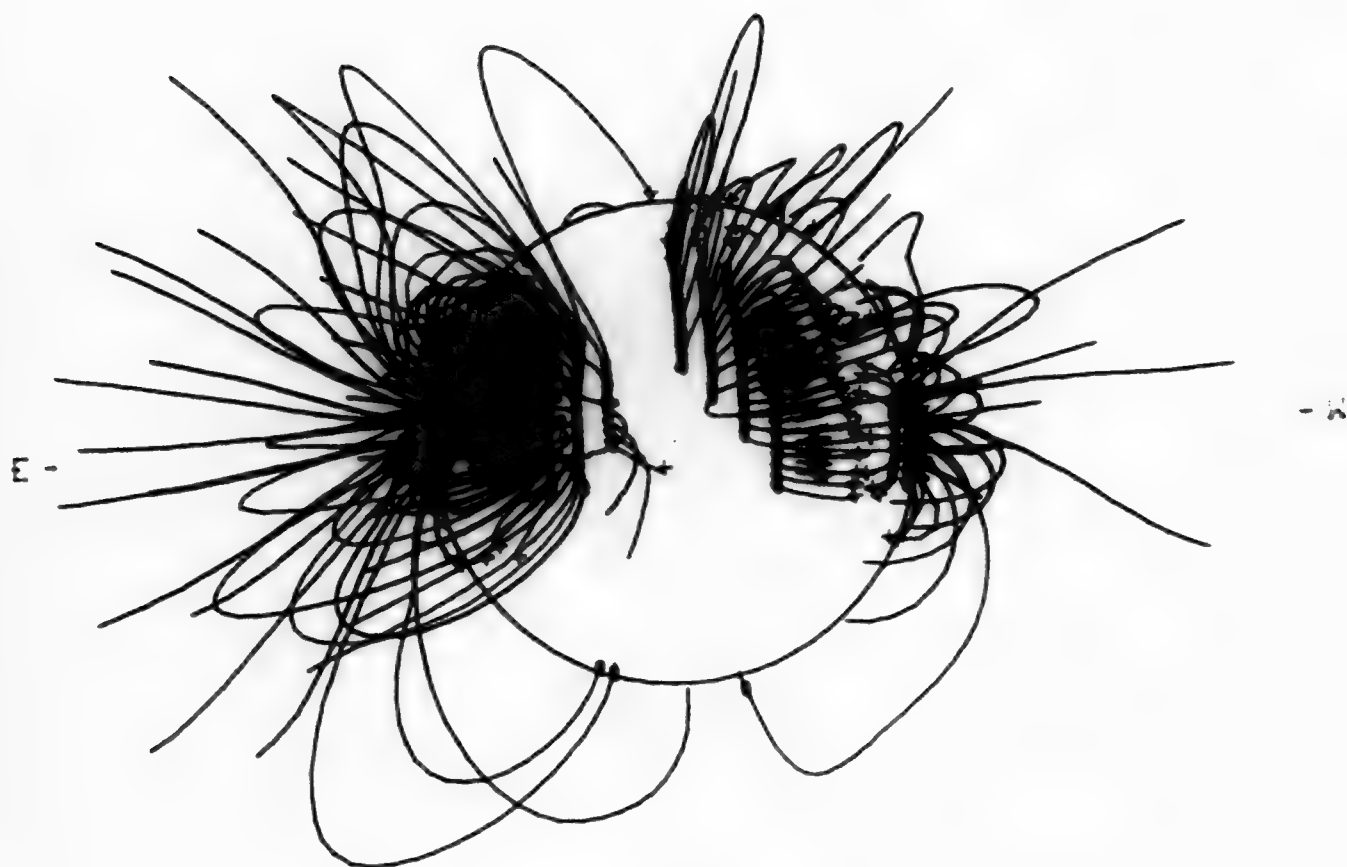
QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1473.47

ROT. 1473 2013. 51°
5.7 10. 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

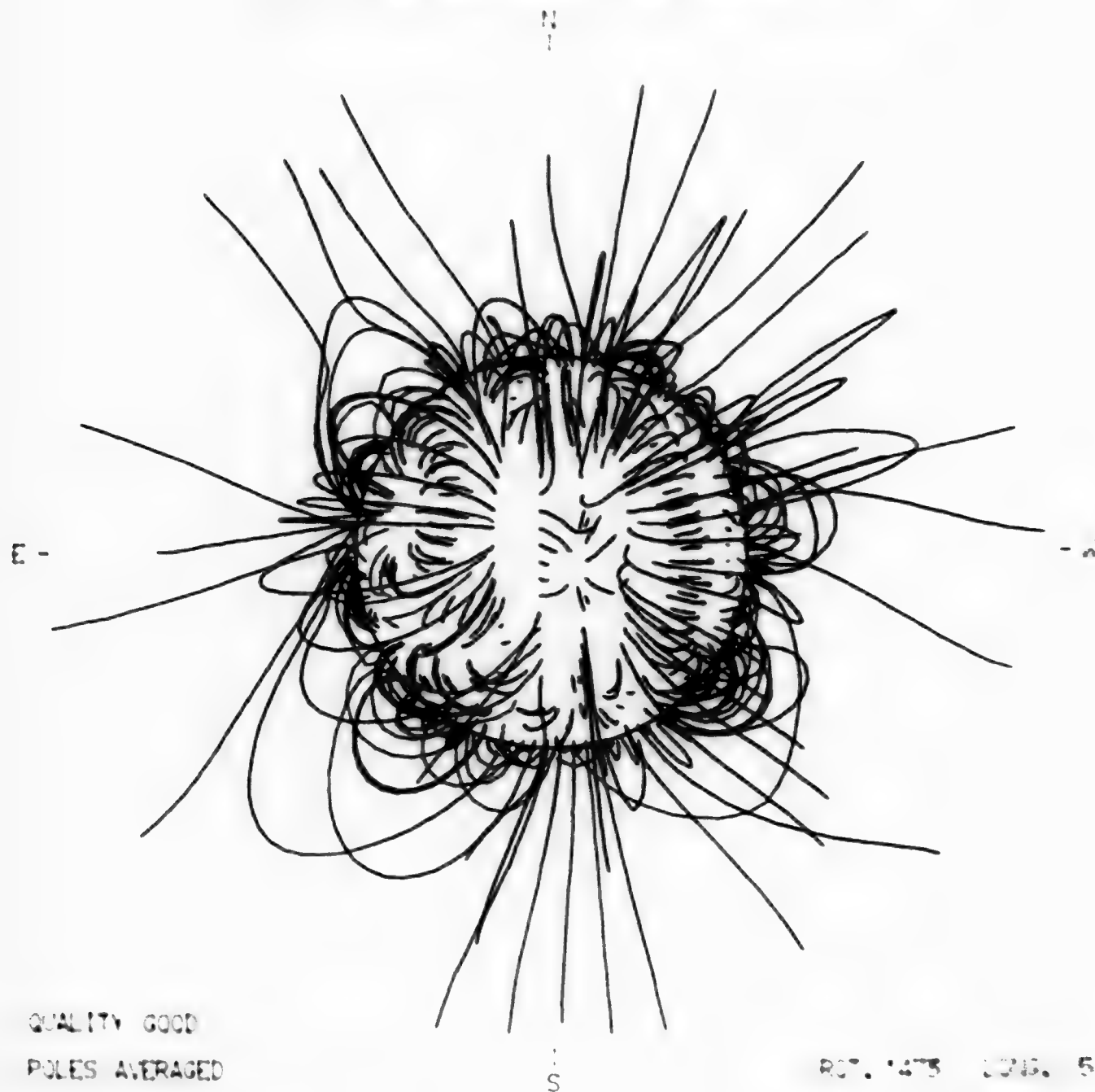


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1473.47

1
 S

ROT. 1473 1015. 50°
 5.7 1015 1015

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

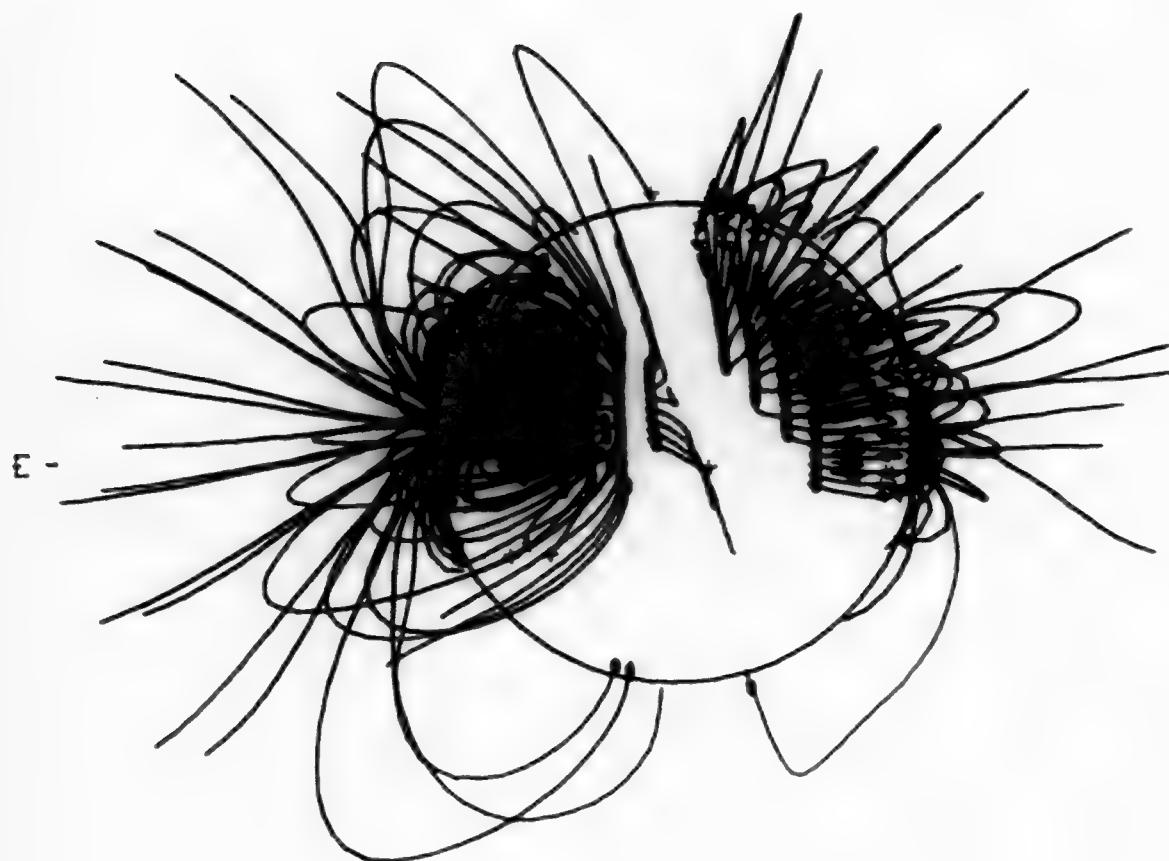
POLES AVERAGED

DATA WINDOW 1473.47

ROT. 1473 1015. 50°

6.5 NOV 1985

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

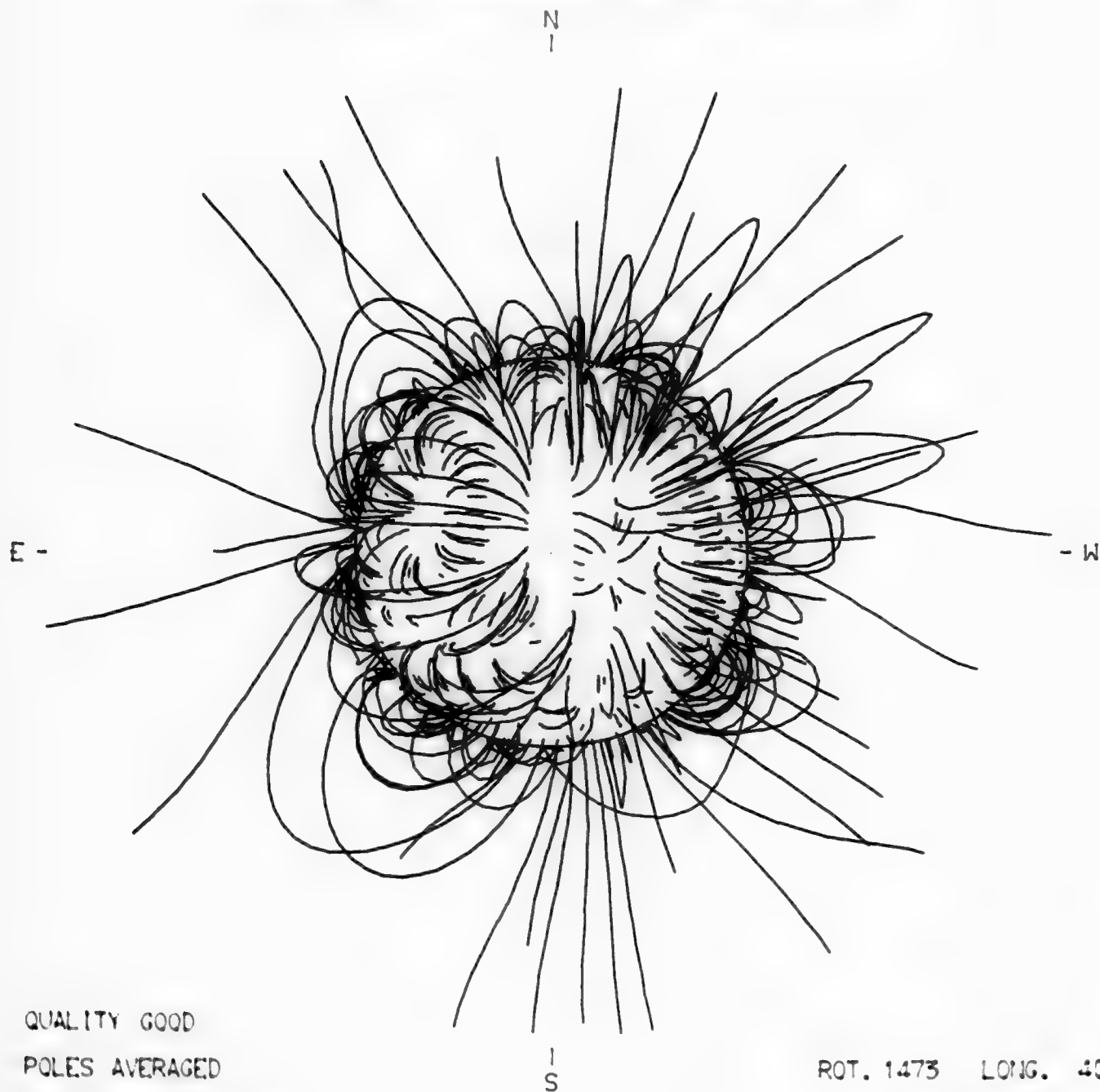


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1473.47

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ROT. 1473 LONG. 51°
6.5 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

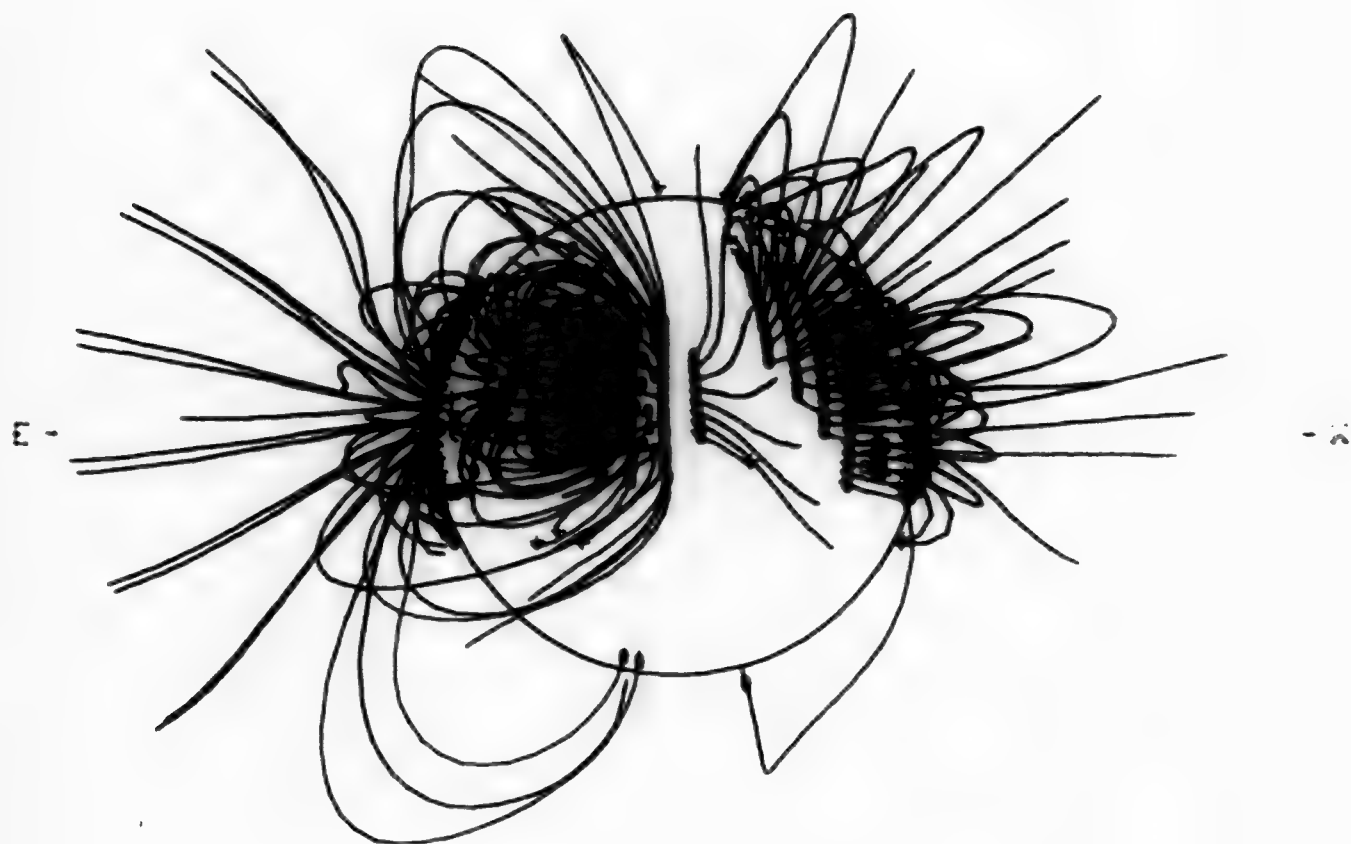
DATA WINDOW 1473.47

ROT. 1473 LONG. 40°

7.2 NOV 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

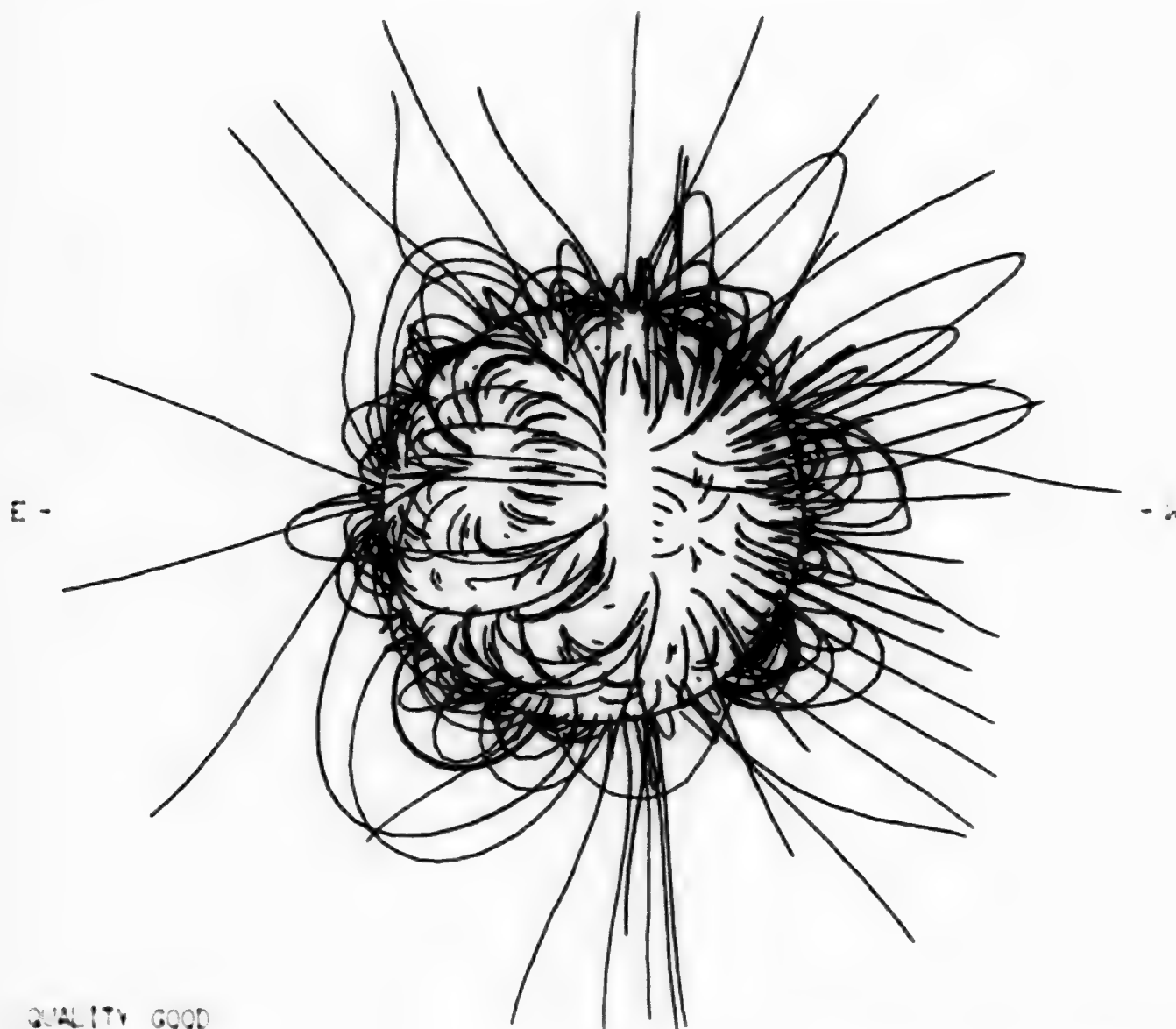
DATA WINDOW 1473.47

! S

ROT. 1473 LONG. 41°

7.2 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1473.47

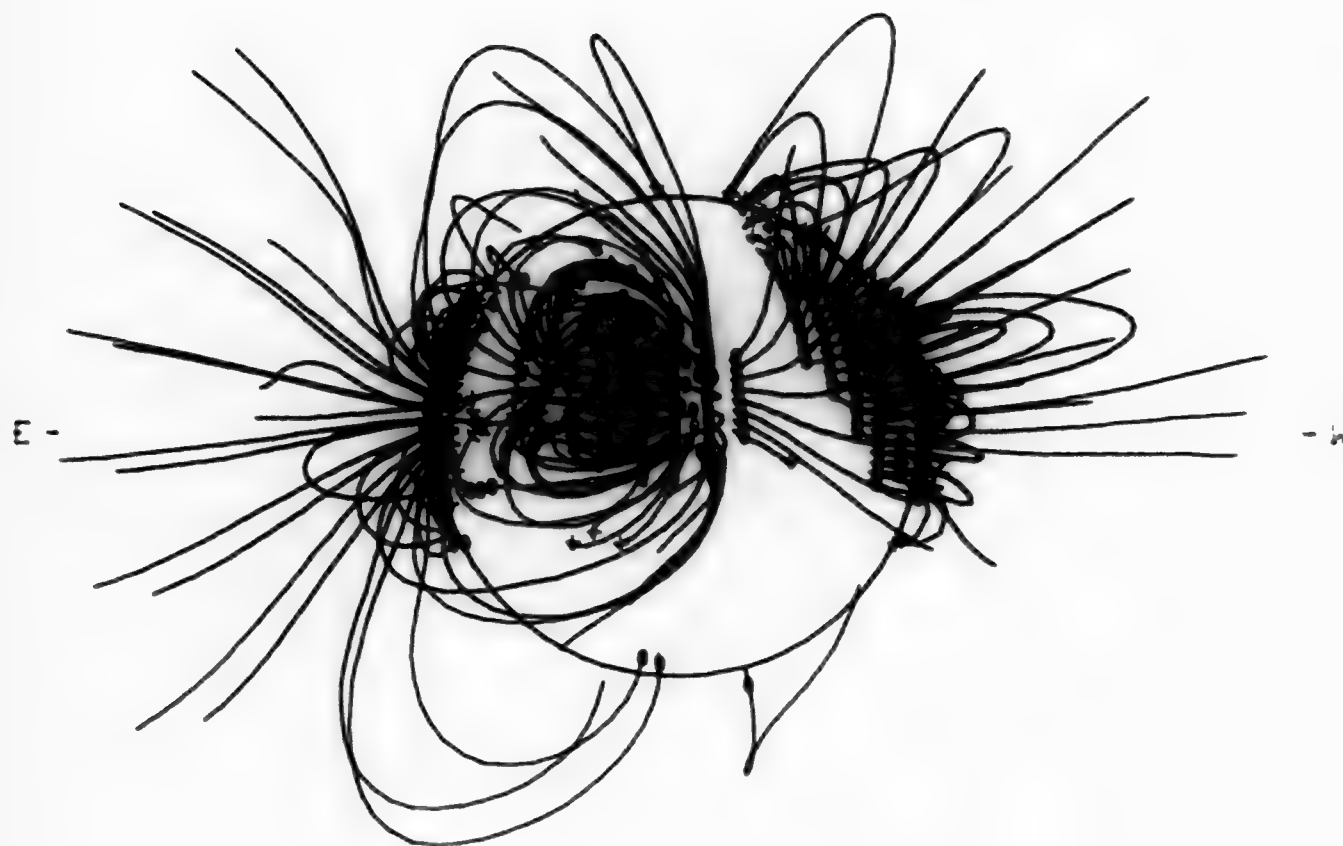
S

ROT. 1473 LONG. 30°

8.0 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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I



QUALITY GOOD

POLES AVERAGED

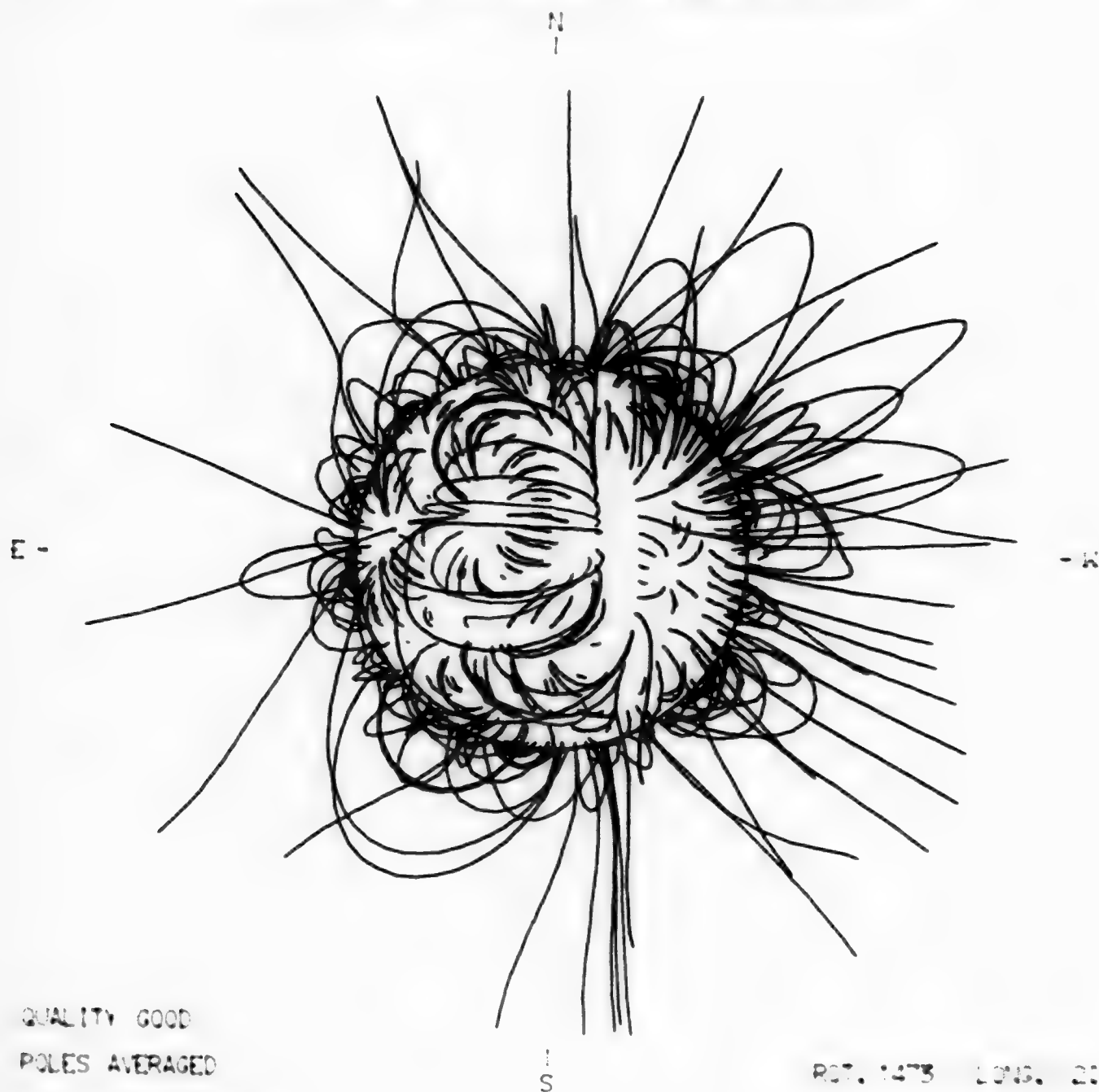
DATA WINDOW 1473.47

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S

ROT. 1473 LONG. 50°

8.0 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

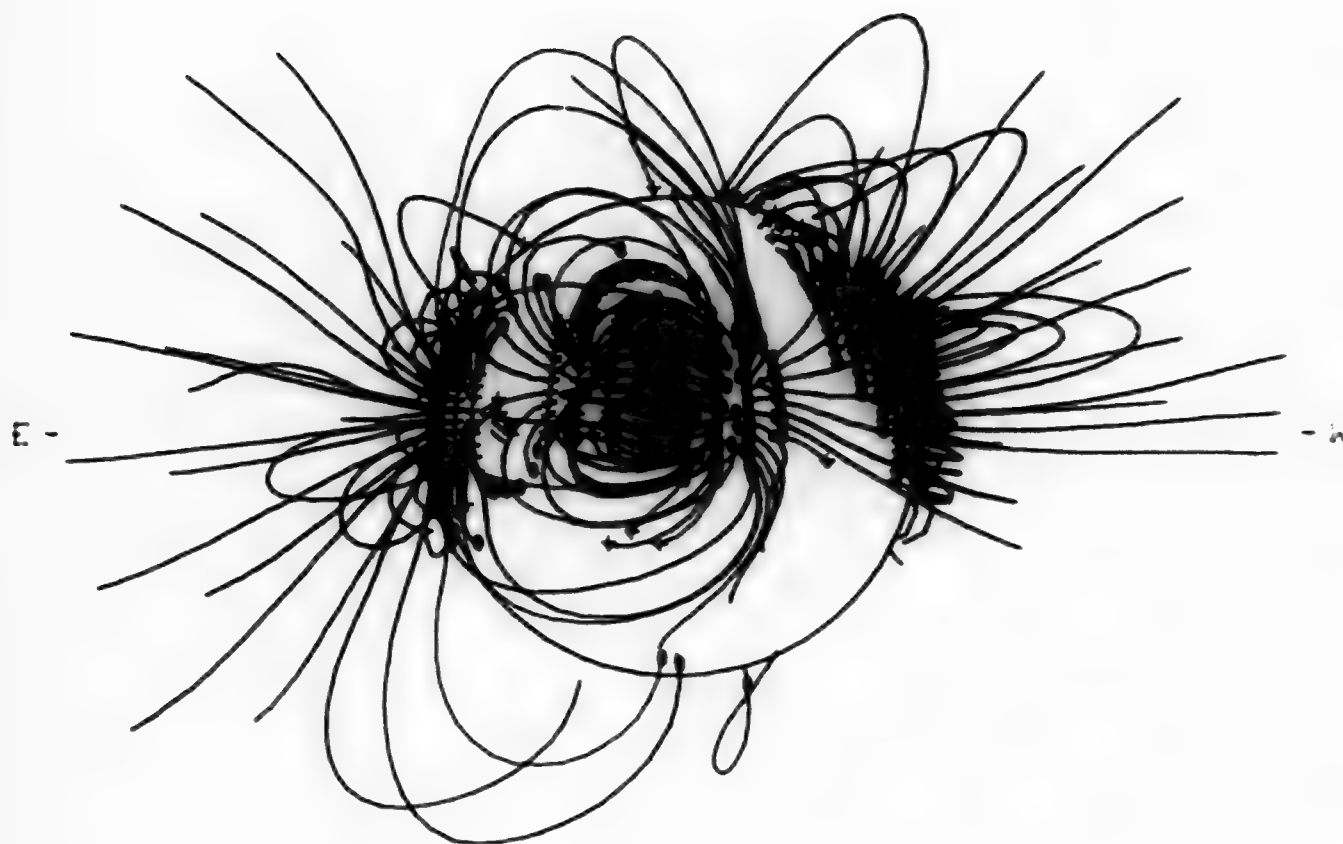
DATA WINDOW 1473.47

ROT. 1473 LONG. 21°

8.7 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

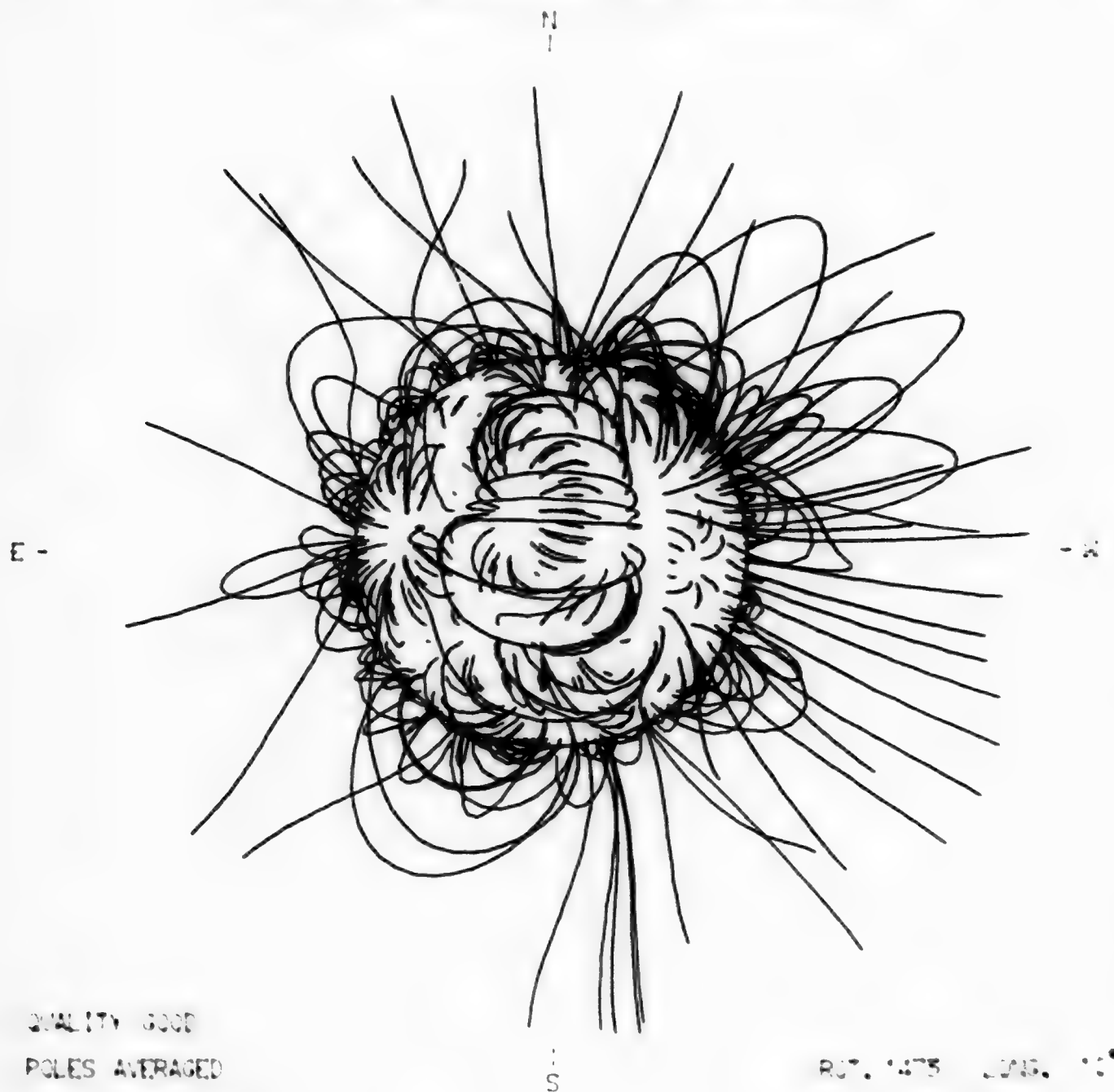
DATA WINDOW 1473.47

1
S

ROT. 1473 LONG. 21°

8.7 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

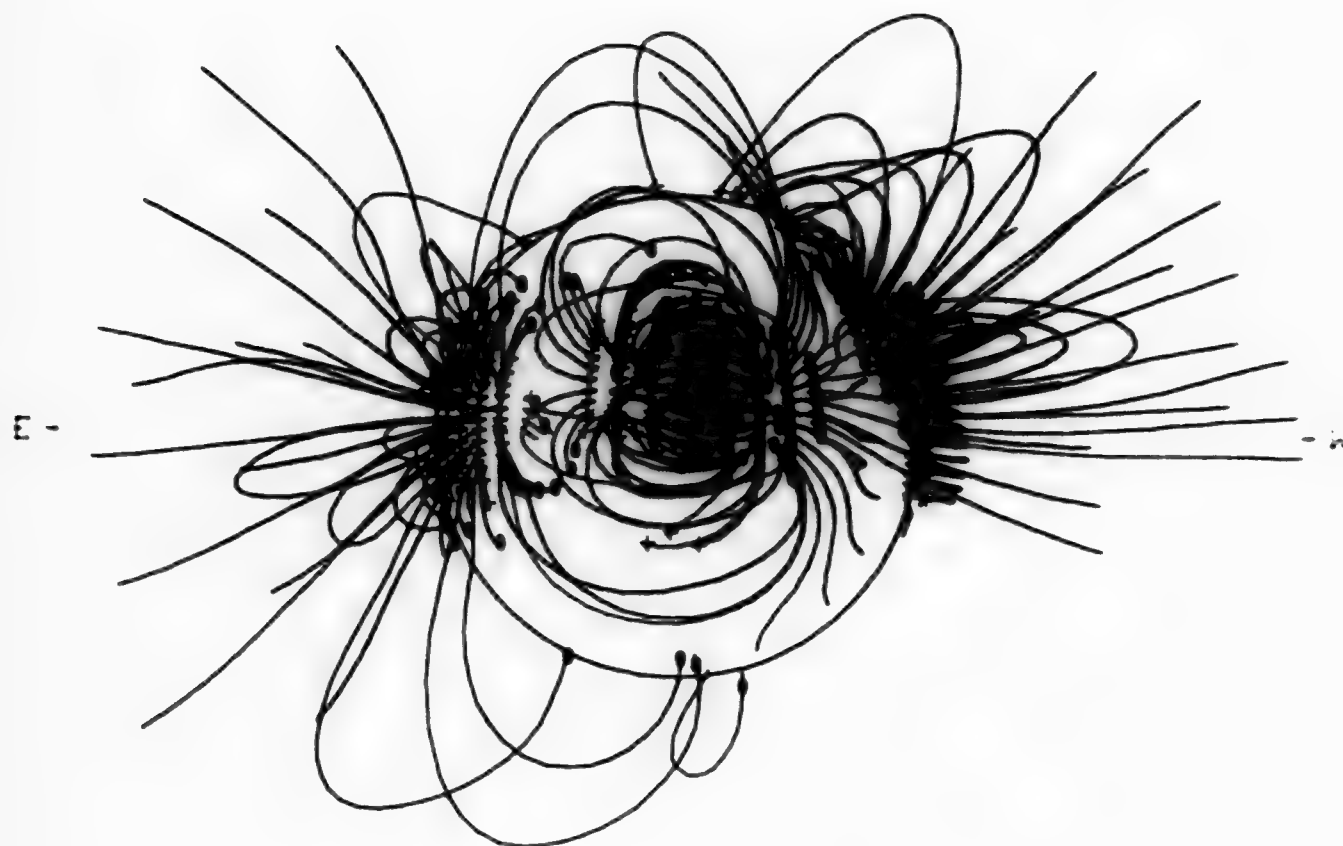
DATA WINDOW 1473.47

R07. 1473 1016. 10°

9.5 NOV 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

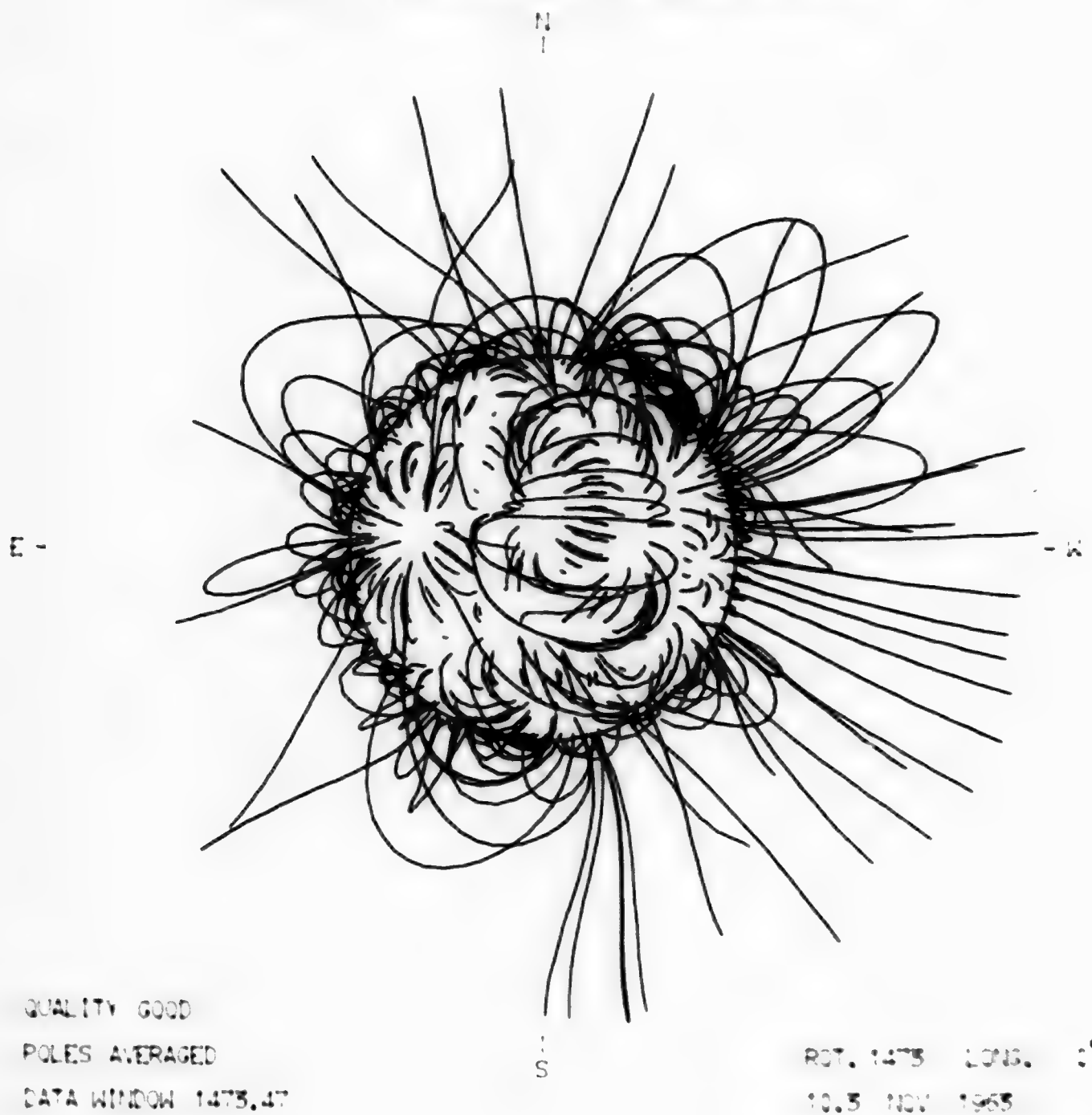
DATA WINDOW 1473.47

S
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ROT. 1473 LONG. 10°

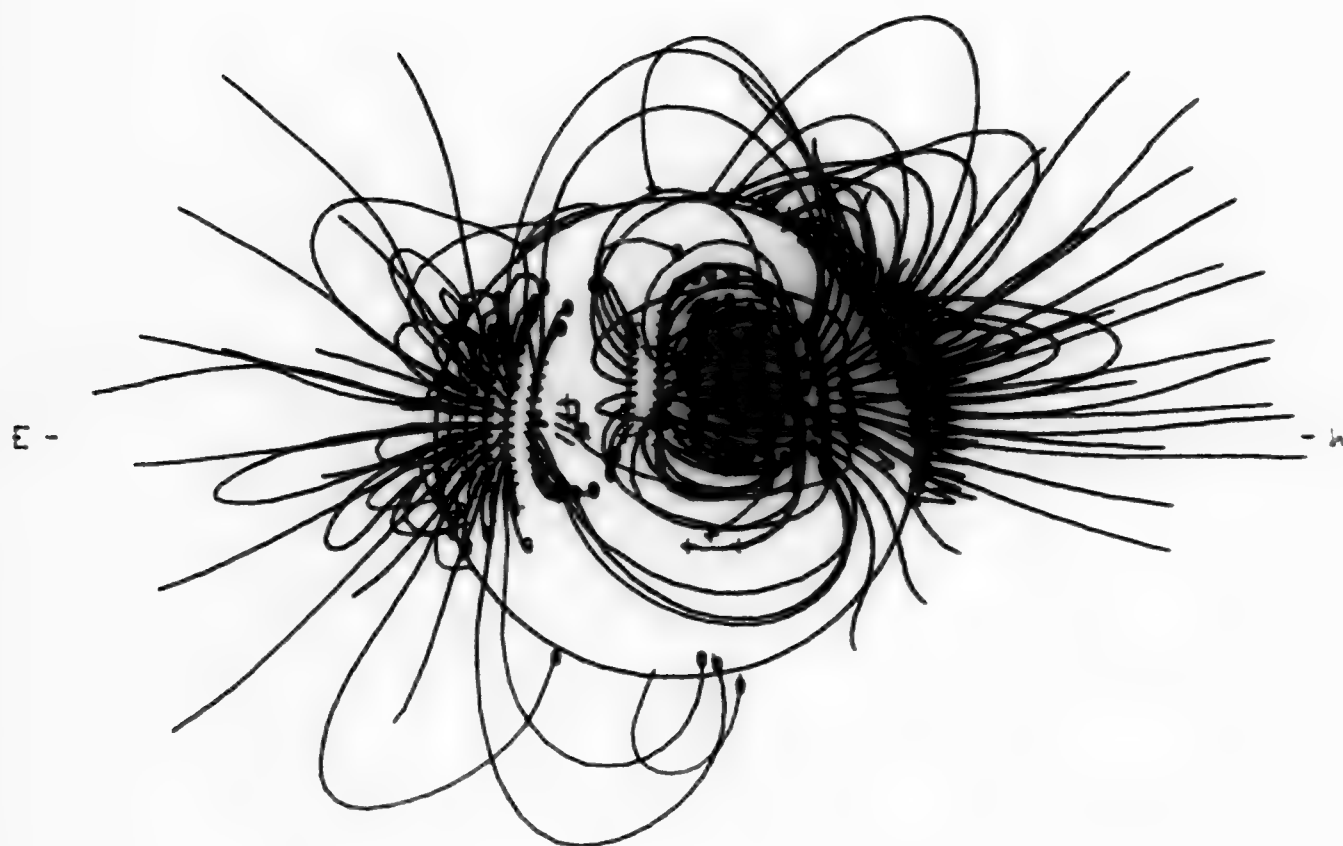
9.5 NOV 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

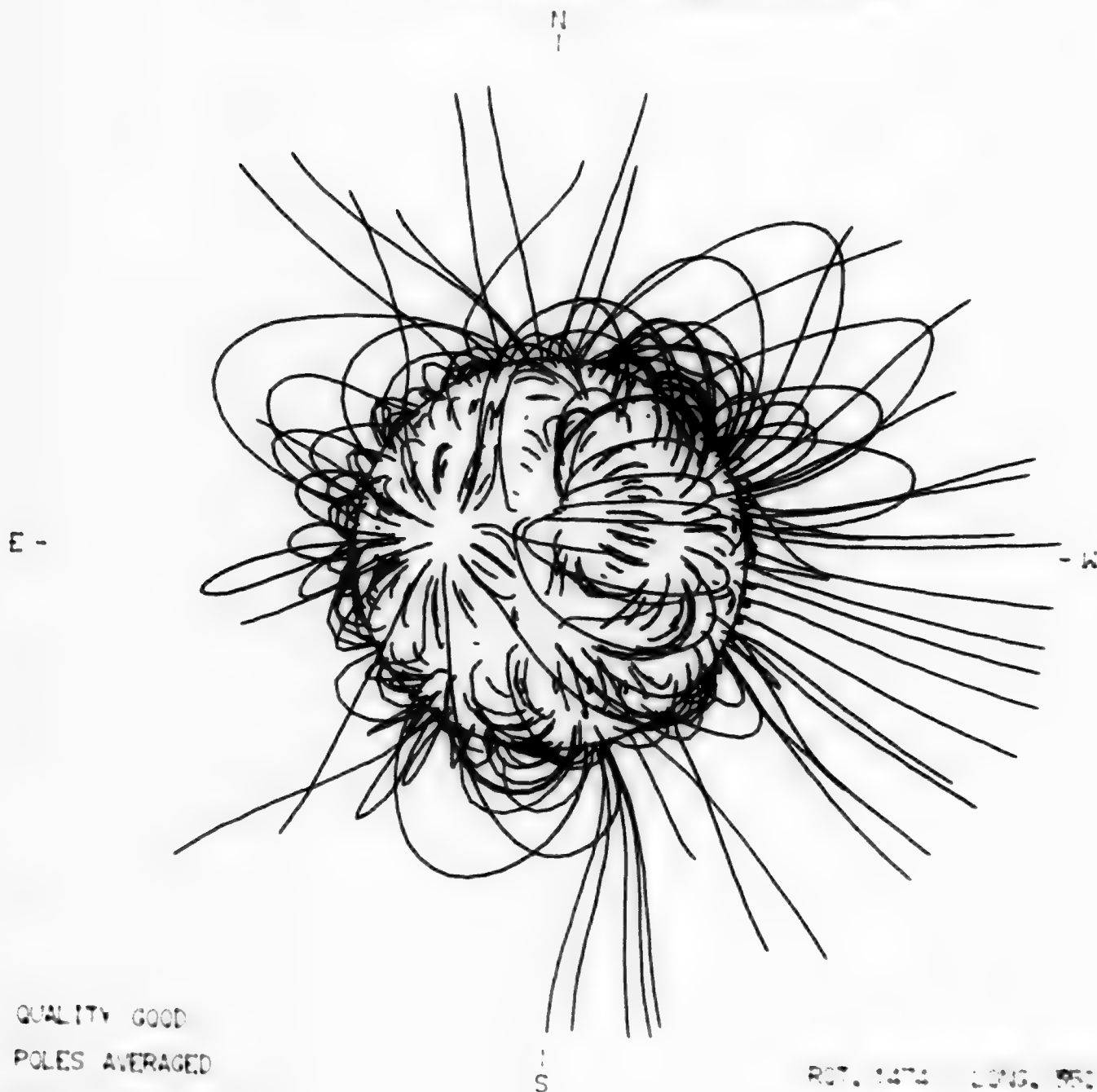
DATA WINDOW 1473.47

1
S

ROT. 1473 LONG. 1°

10.3 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

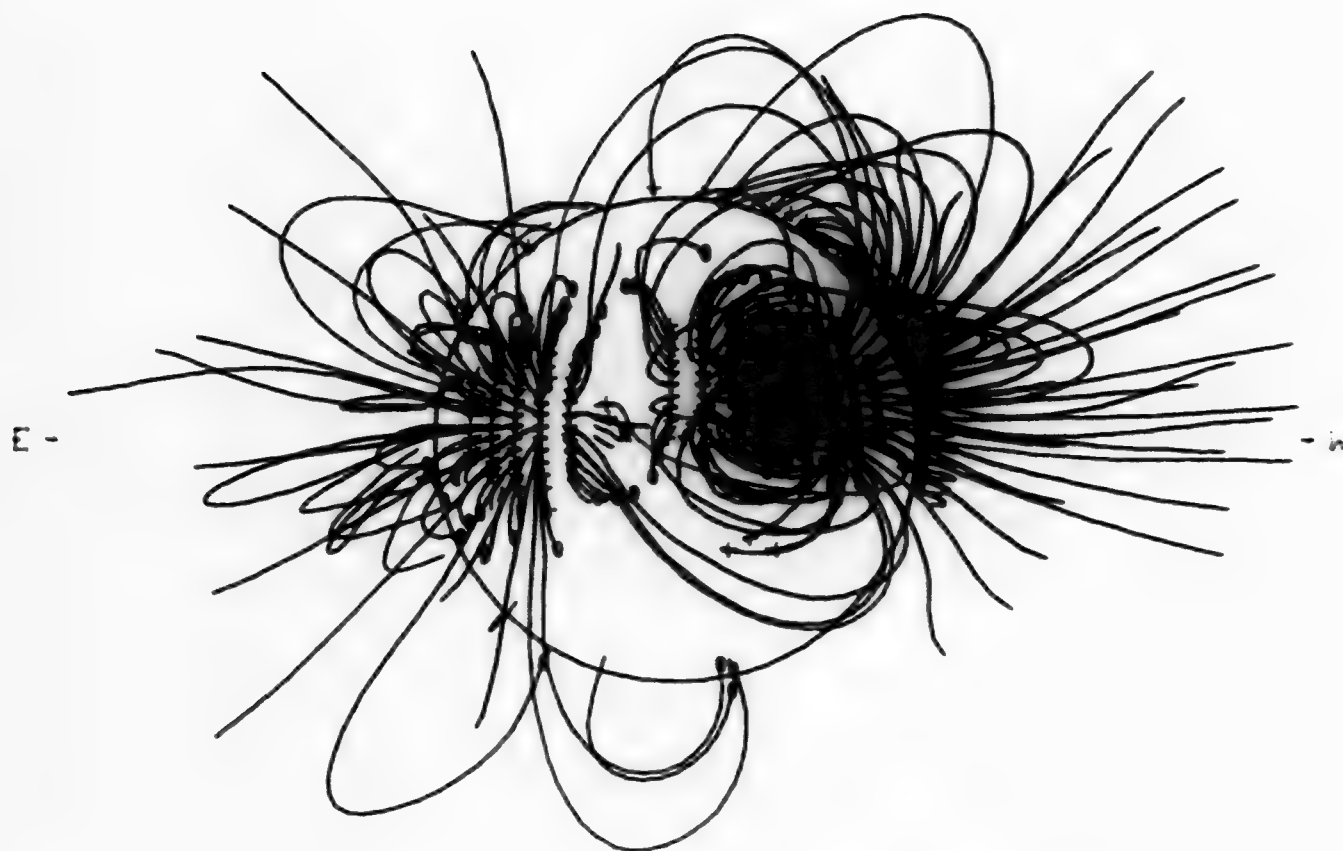


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1473.47

ROT. 1474 LONG. 951°
11.0 10. 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

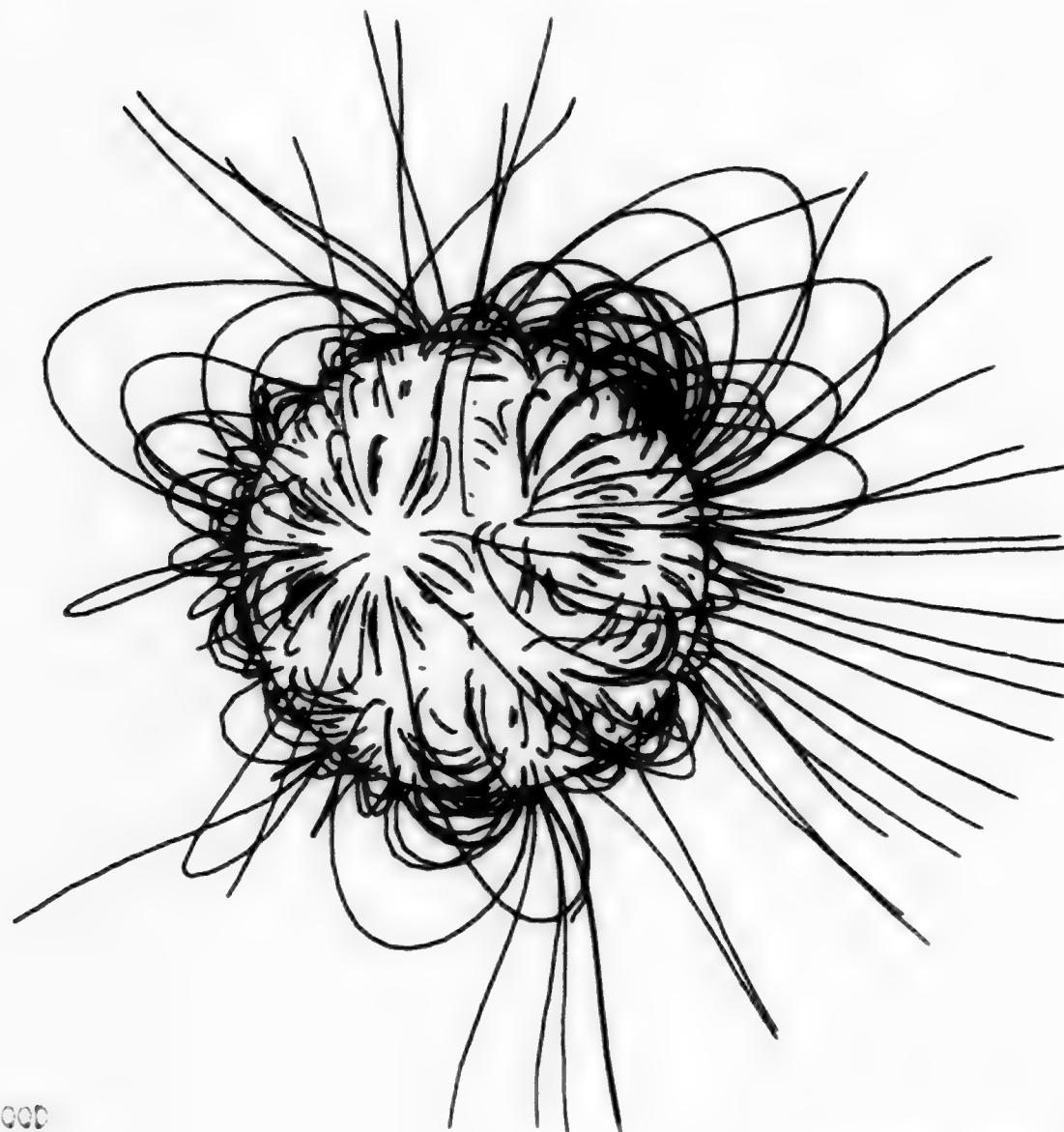
DATA WINDOW 1473.47

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S

ROT. 1474 LONG. 351°

11.0 10.1 1955

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

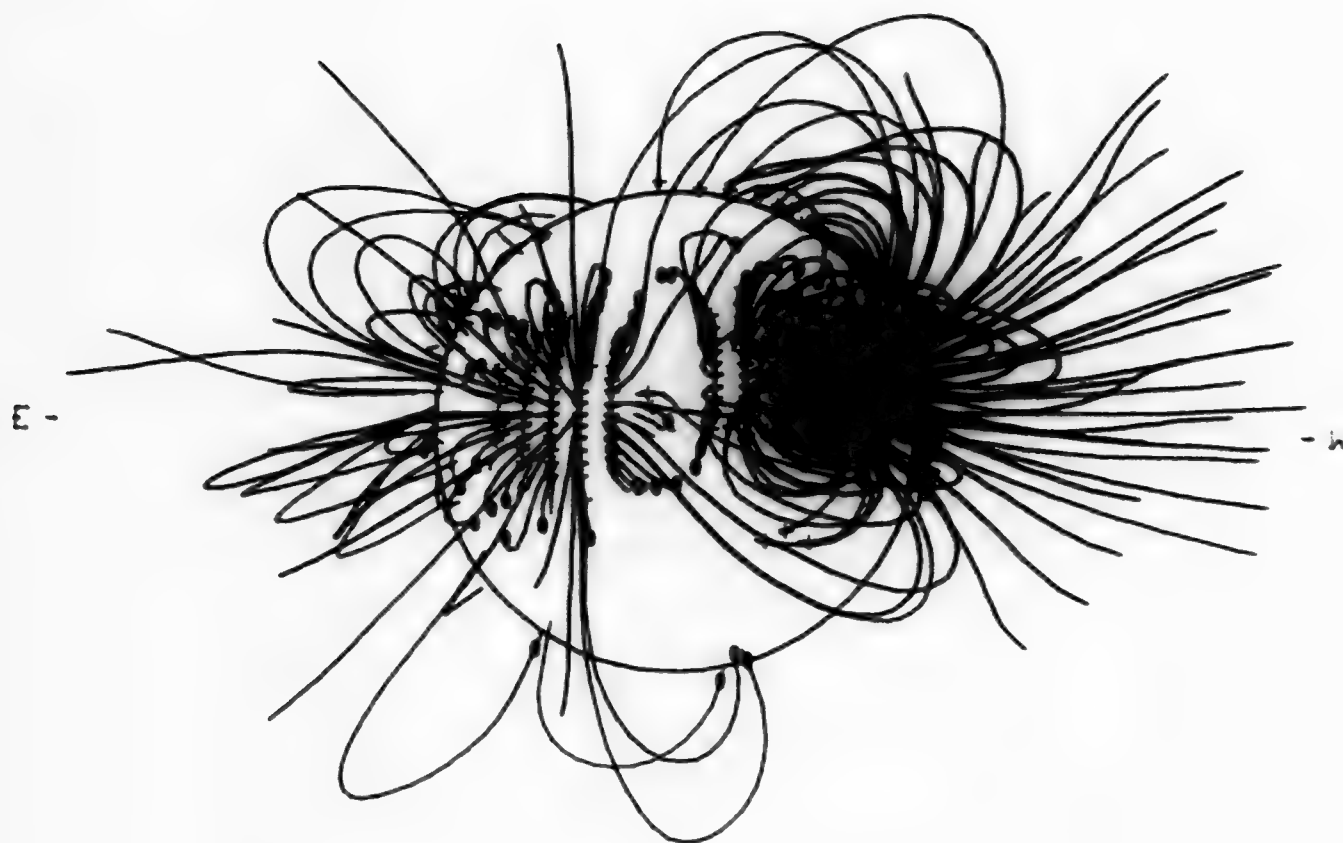
DATA WINDOW 1473.47

ROT. 1474 LONG. 341°

11.8 NOV 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

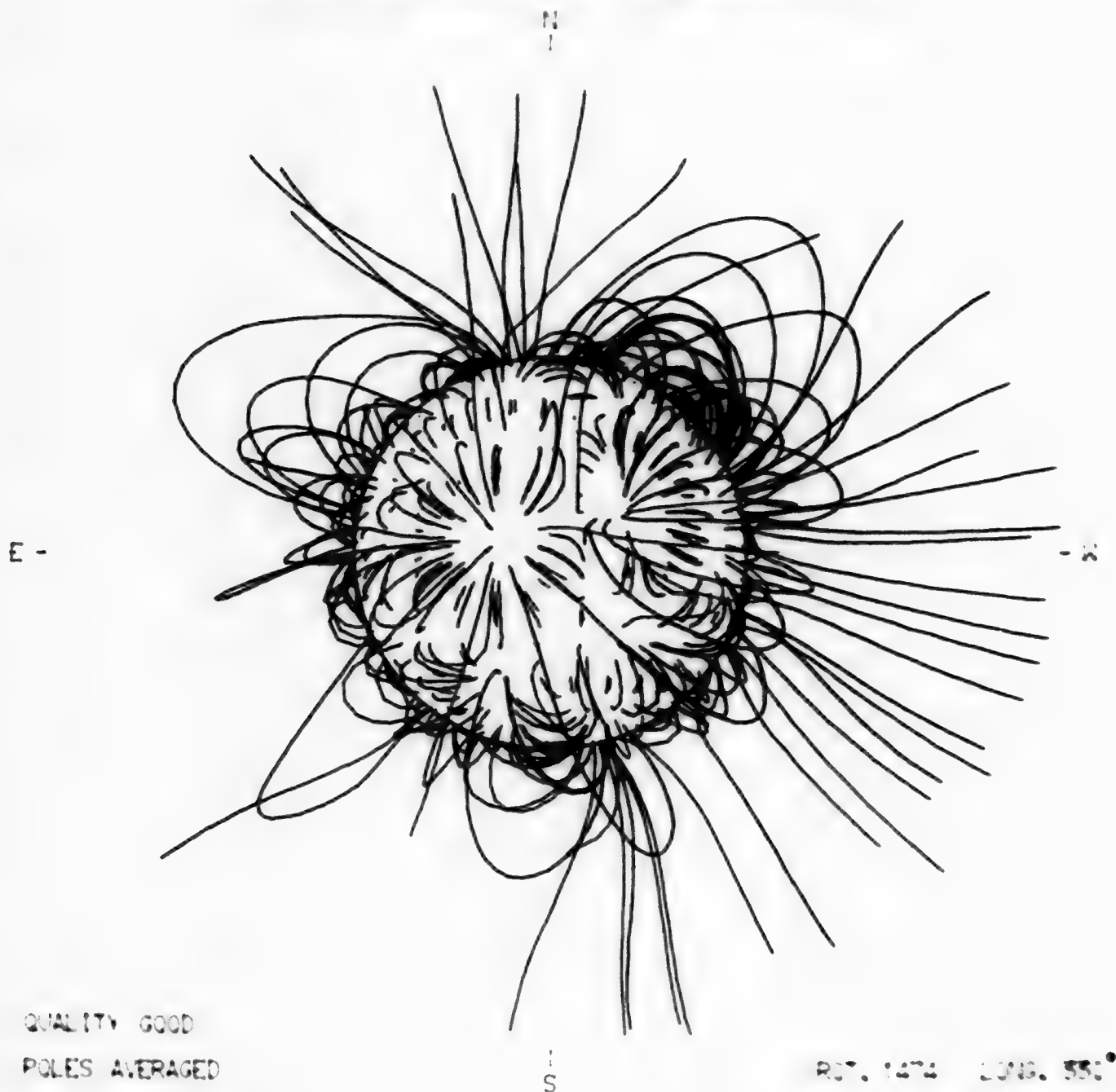
DATA WINDOW 1475.47

1
S

ROT. 1474 LONG. 340°

11.8 10. 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

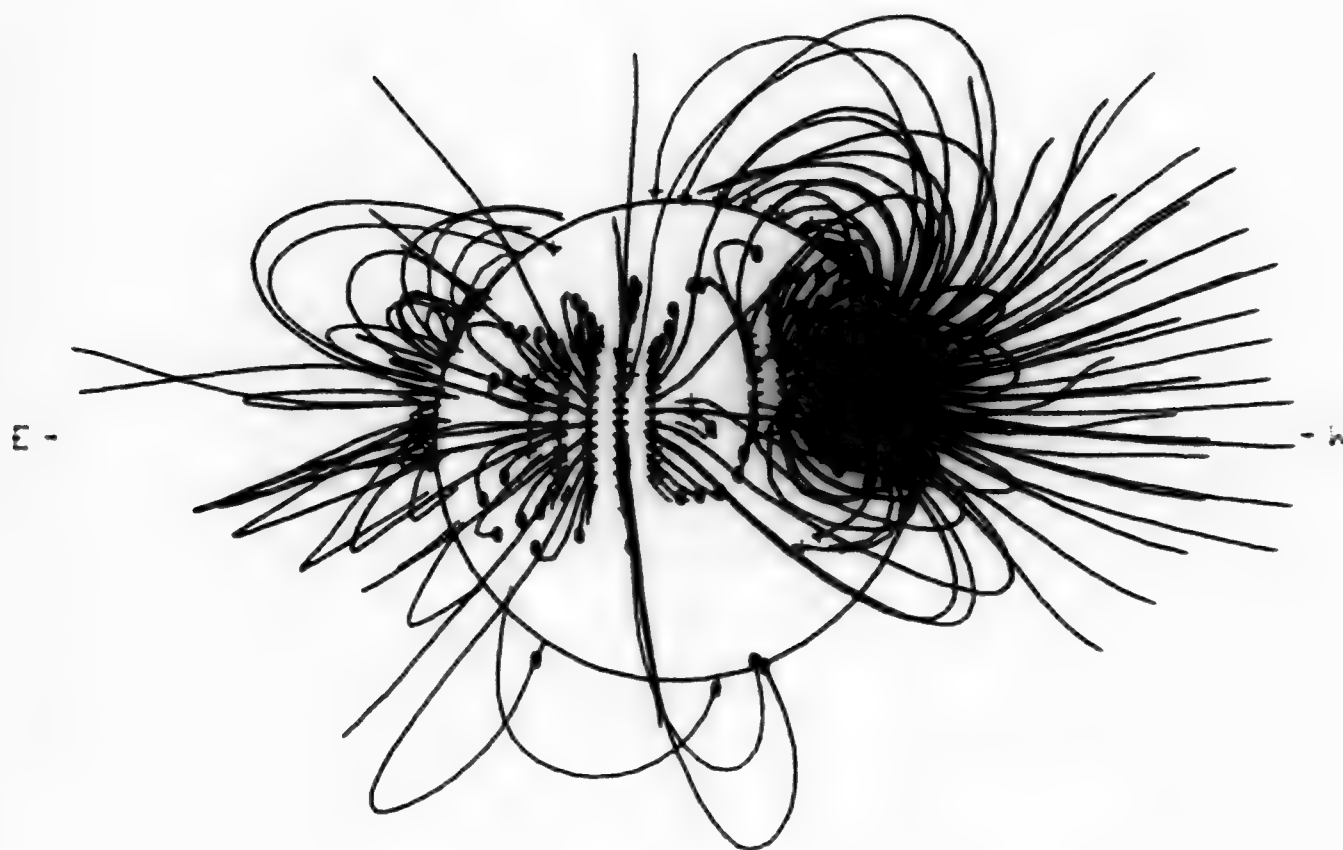
DATA WINDOW 1473.47

ROT. 1474 LONG. 530°

12.5 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

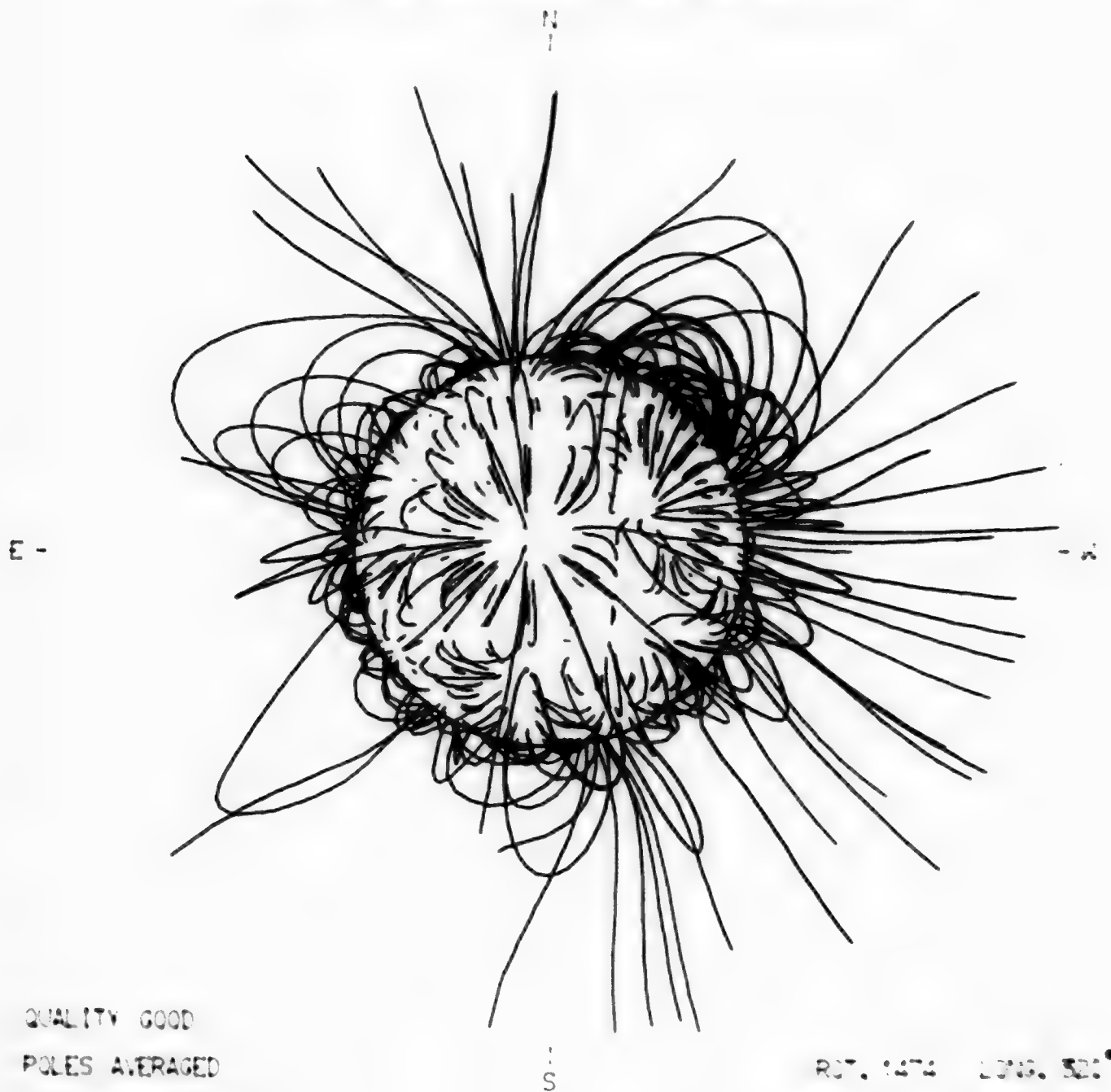
DATA WINDOW 1473.47

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S

ROT. 1474 LONG. 550°

12.5 1957 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

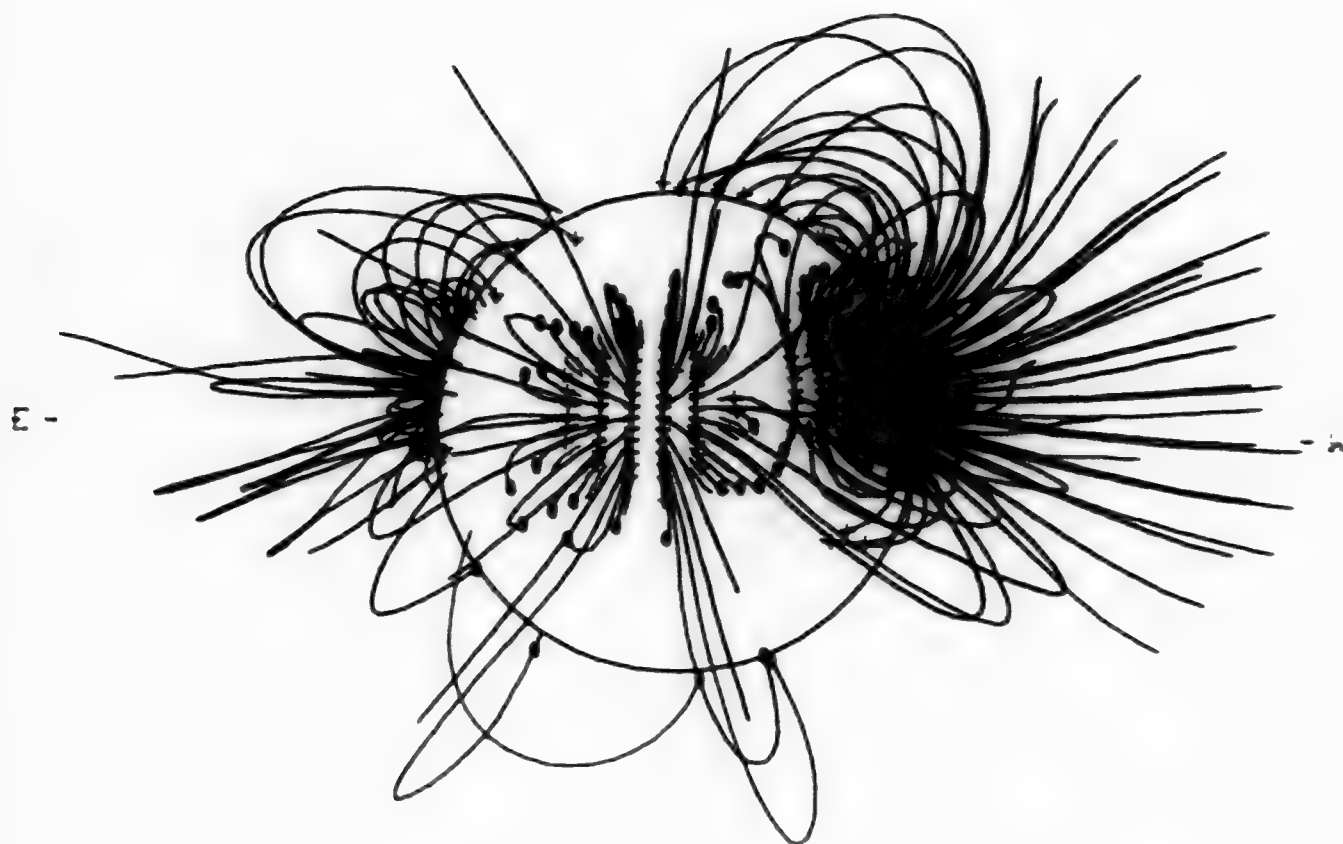
DATA WINDOW 1473.47

ROT. 1474 LONG. 321°

13.3 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

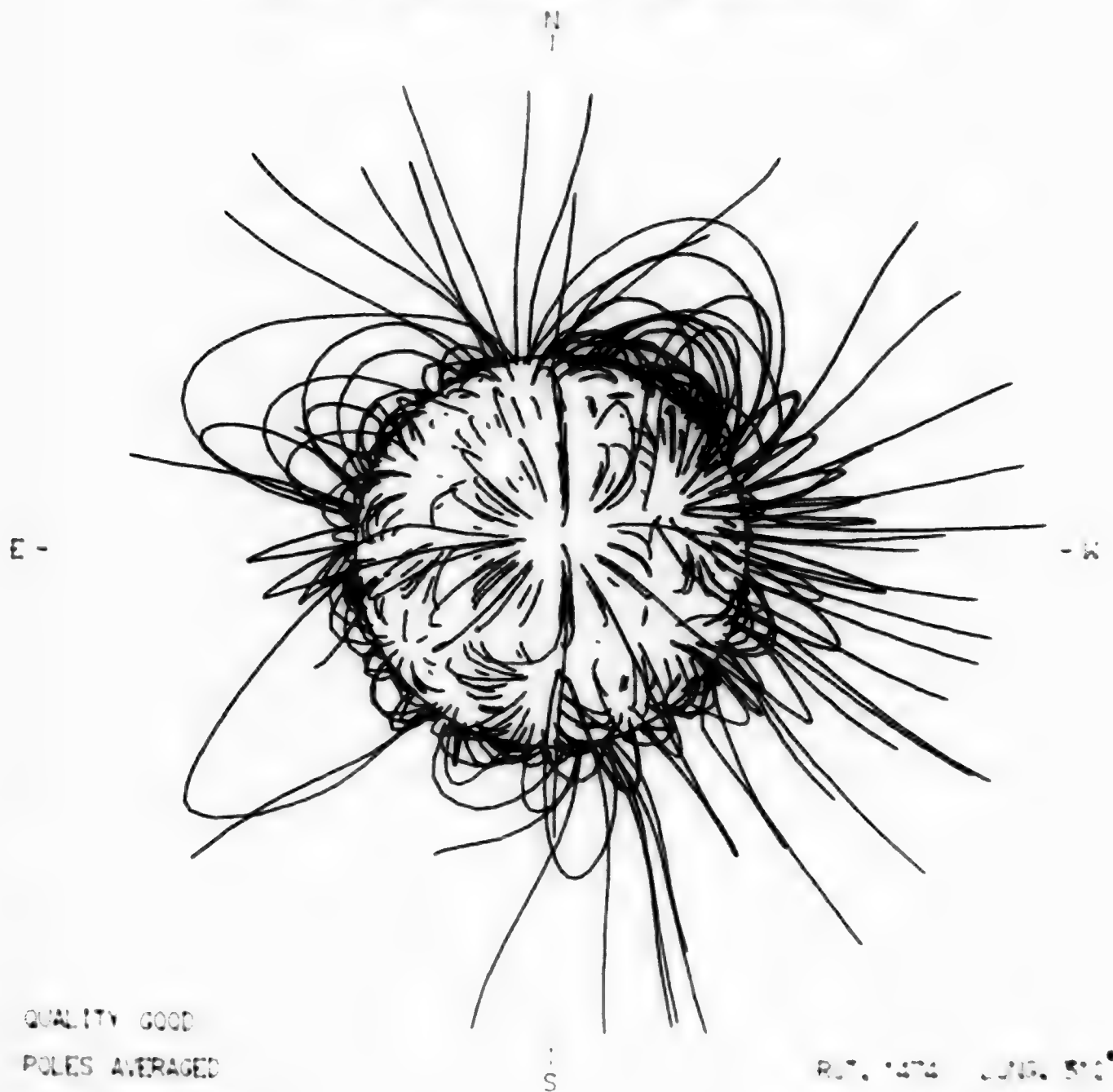
DATA WINDOW 1473.47

1
S

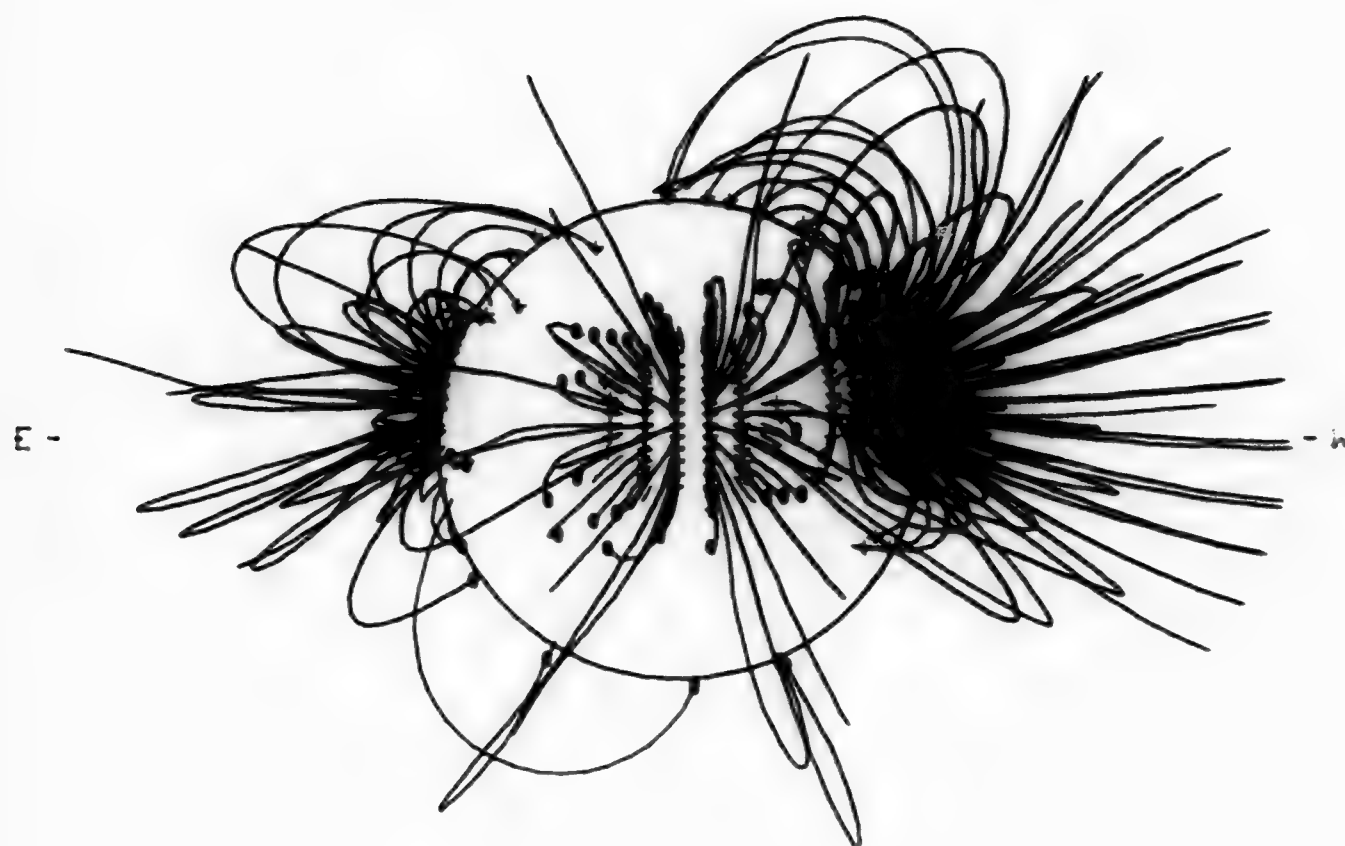
ROT. 1472 LONG. 1472

13.5 1472 1472

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

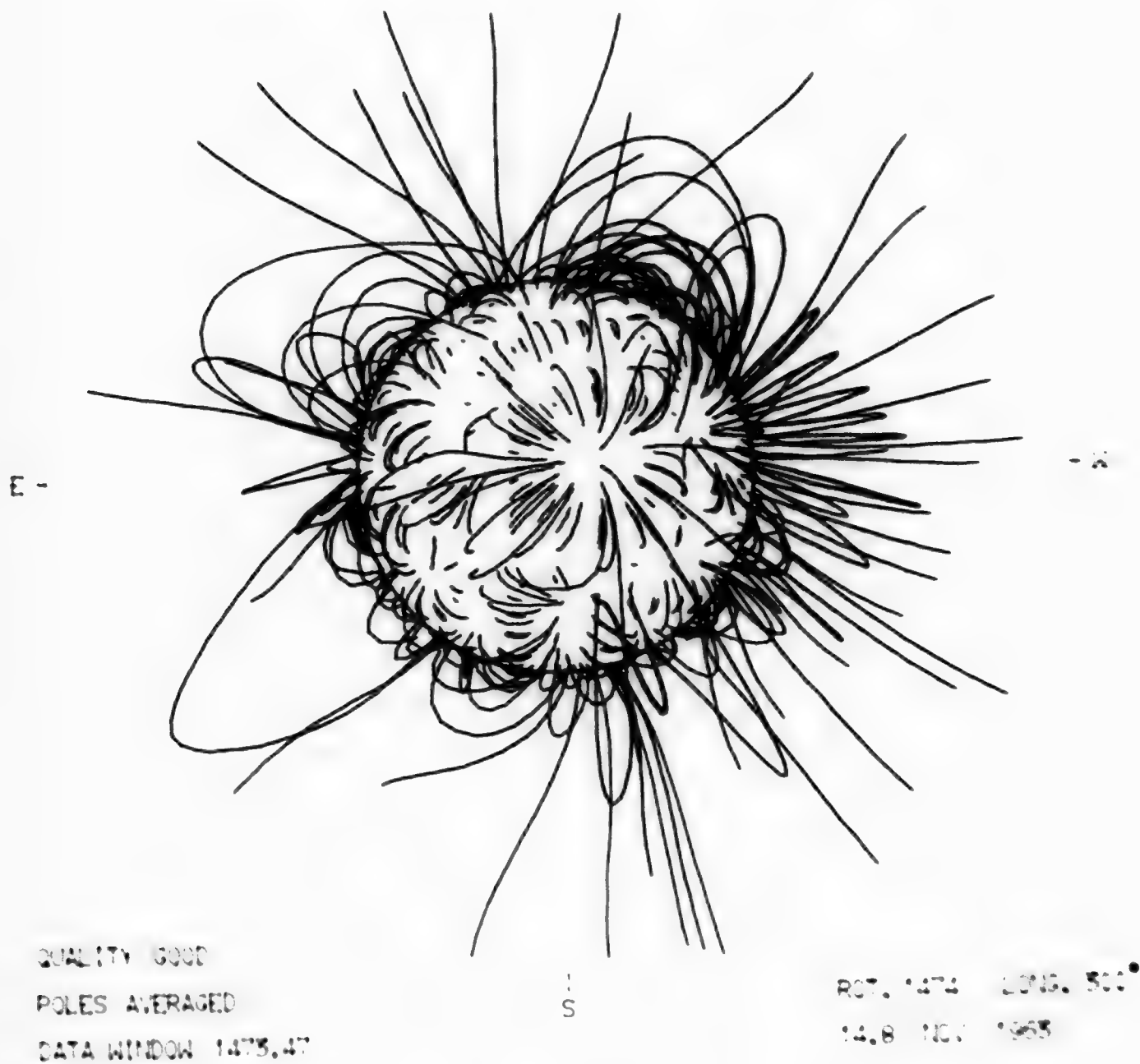
DATA WINDOW 1473.47

1
S

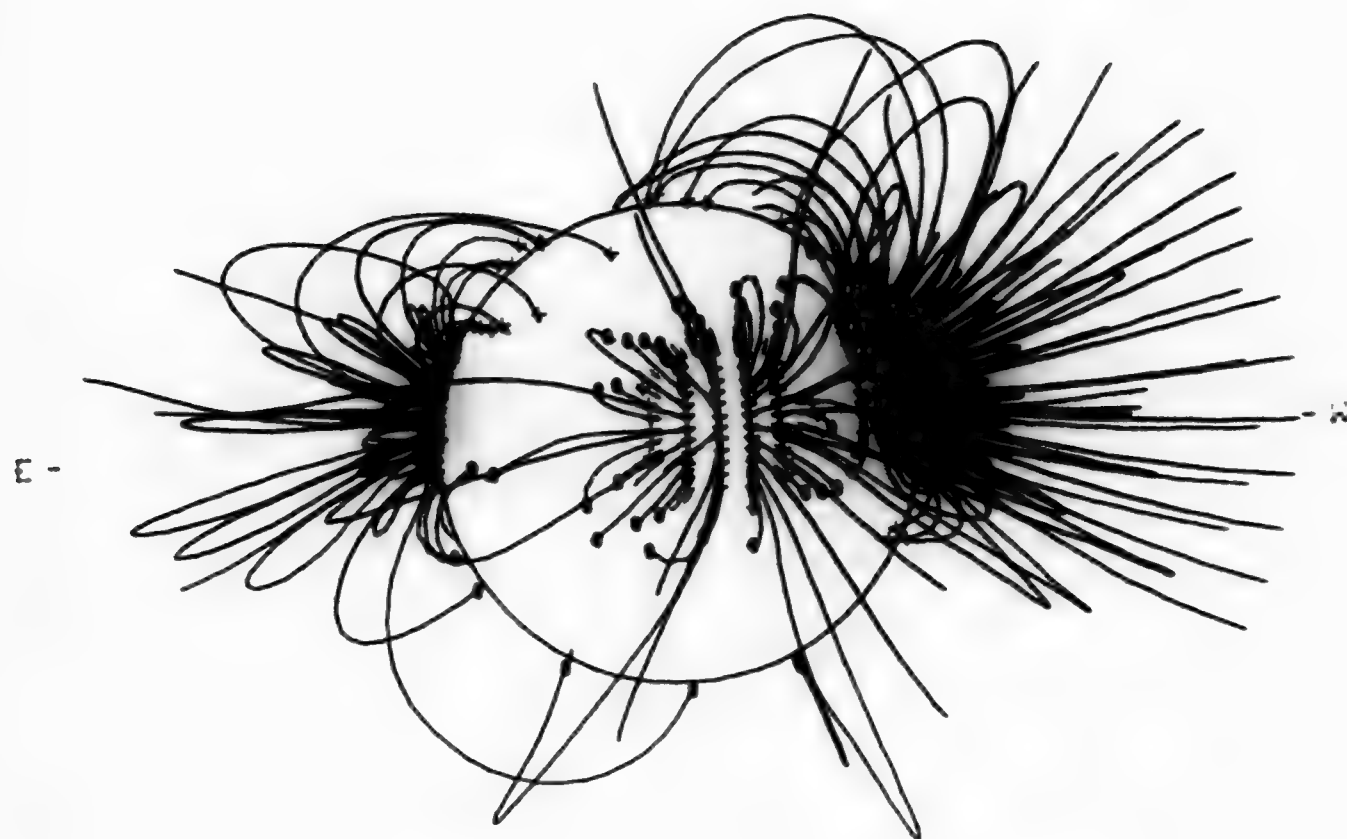
ROT. 1474 LONG. 51.0°

14.0 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

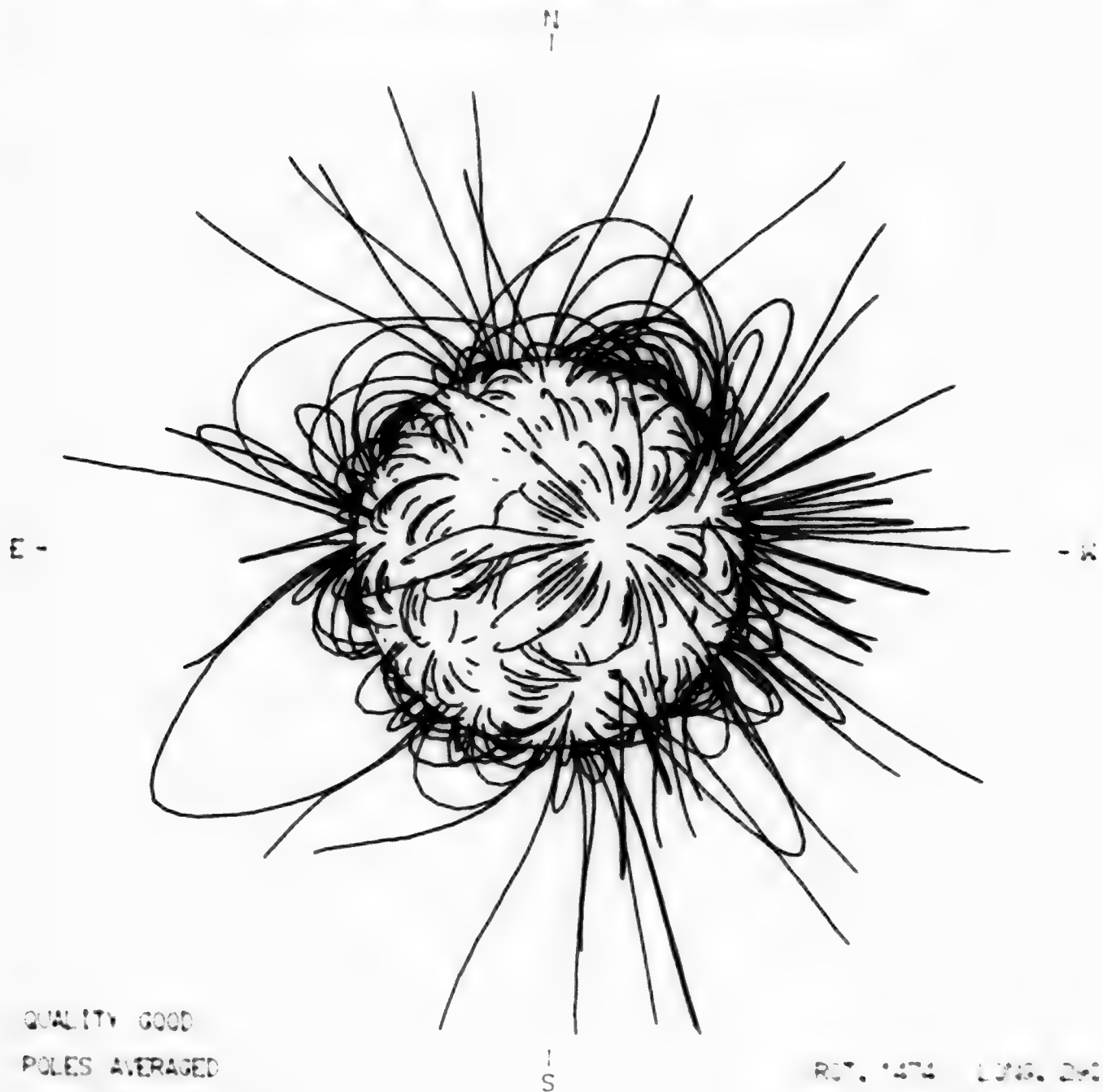


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1473.47

1
 S

ROT. 1474 LONG. 300°
 14.8 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

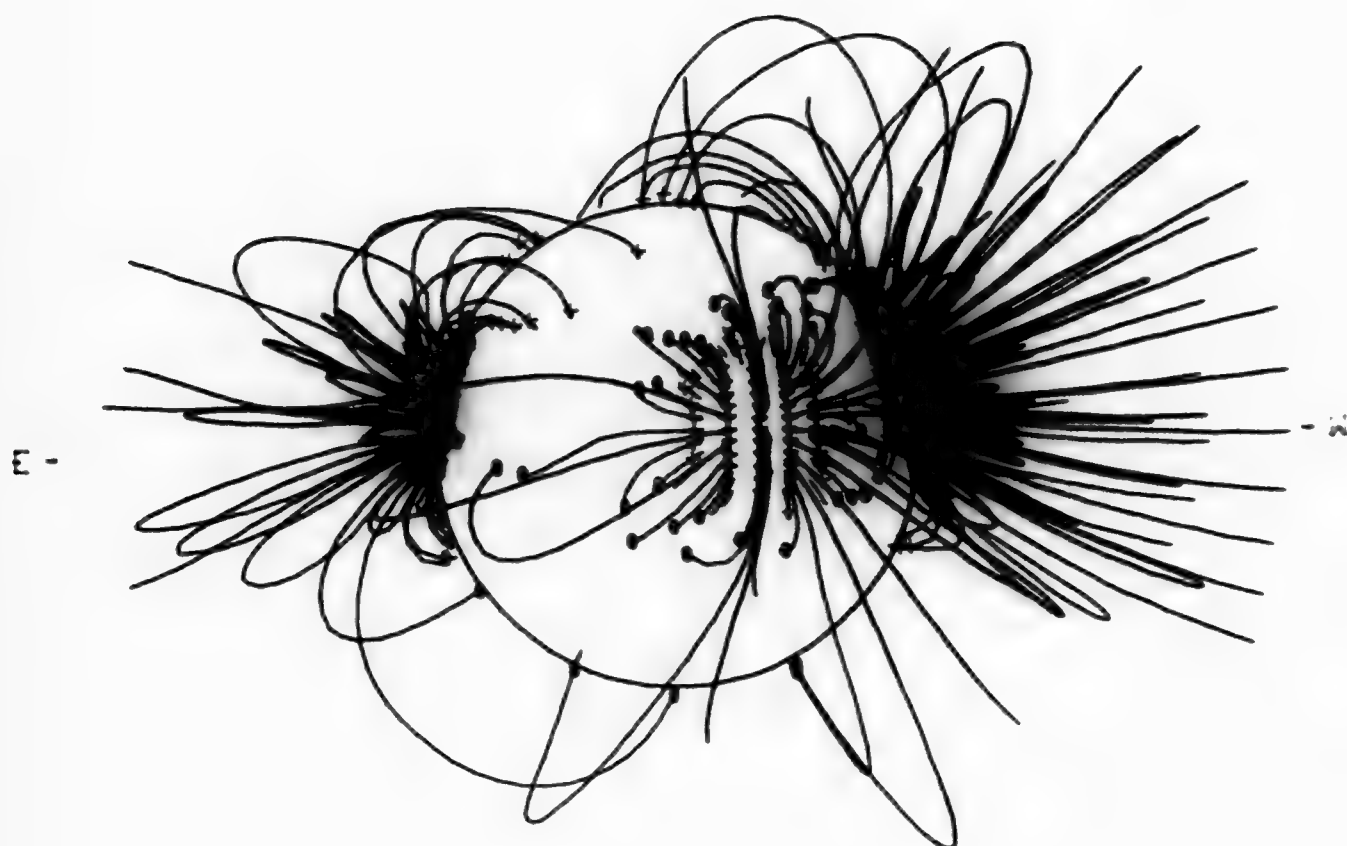
DATA WINDOW 1473.47

ROT. 1474 1946. 240°

15.6 100 1985

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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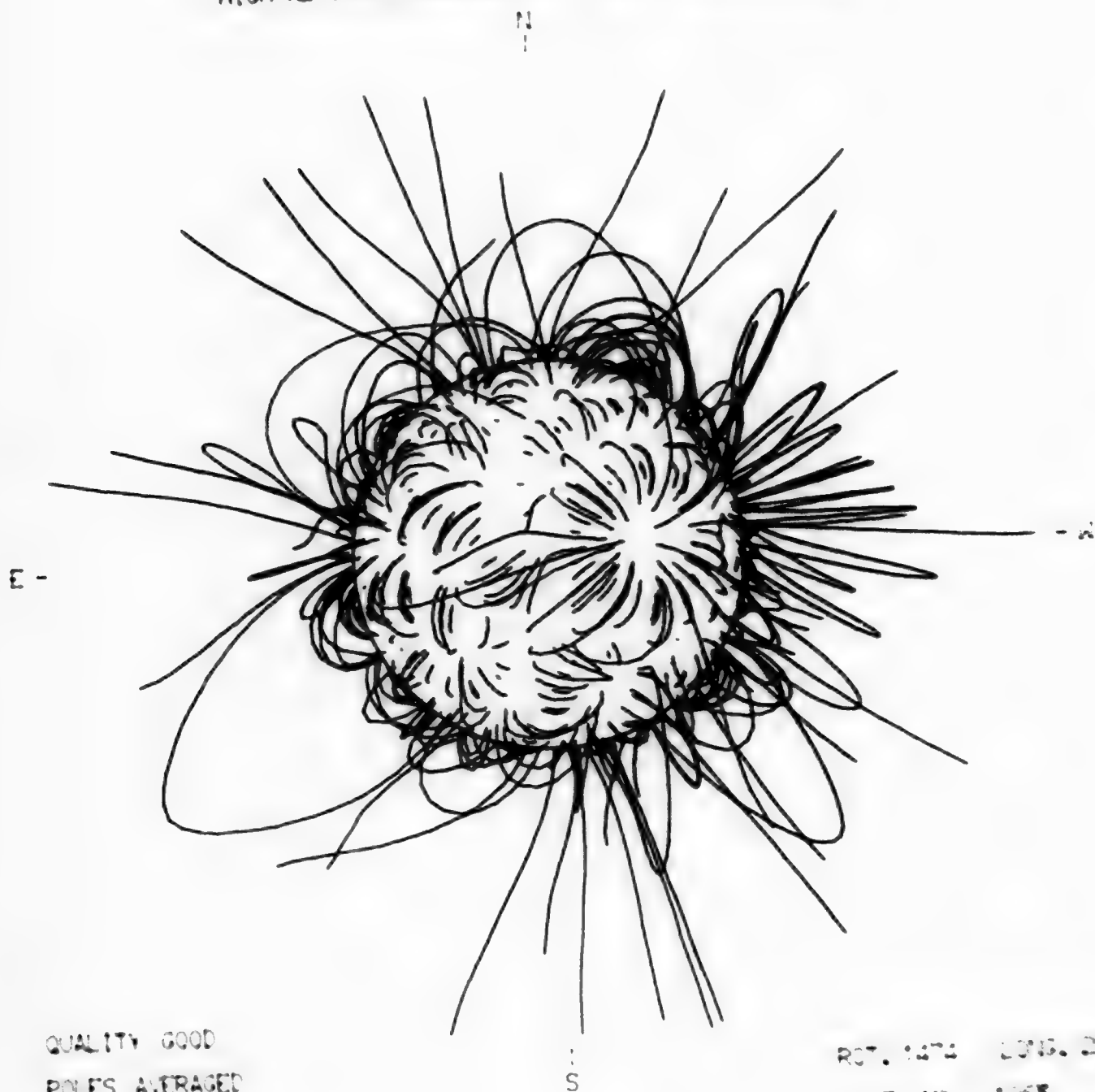


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1473.47

1
S

ROT. 1274 2016.291°
15.6 NOV 1963

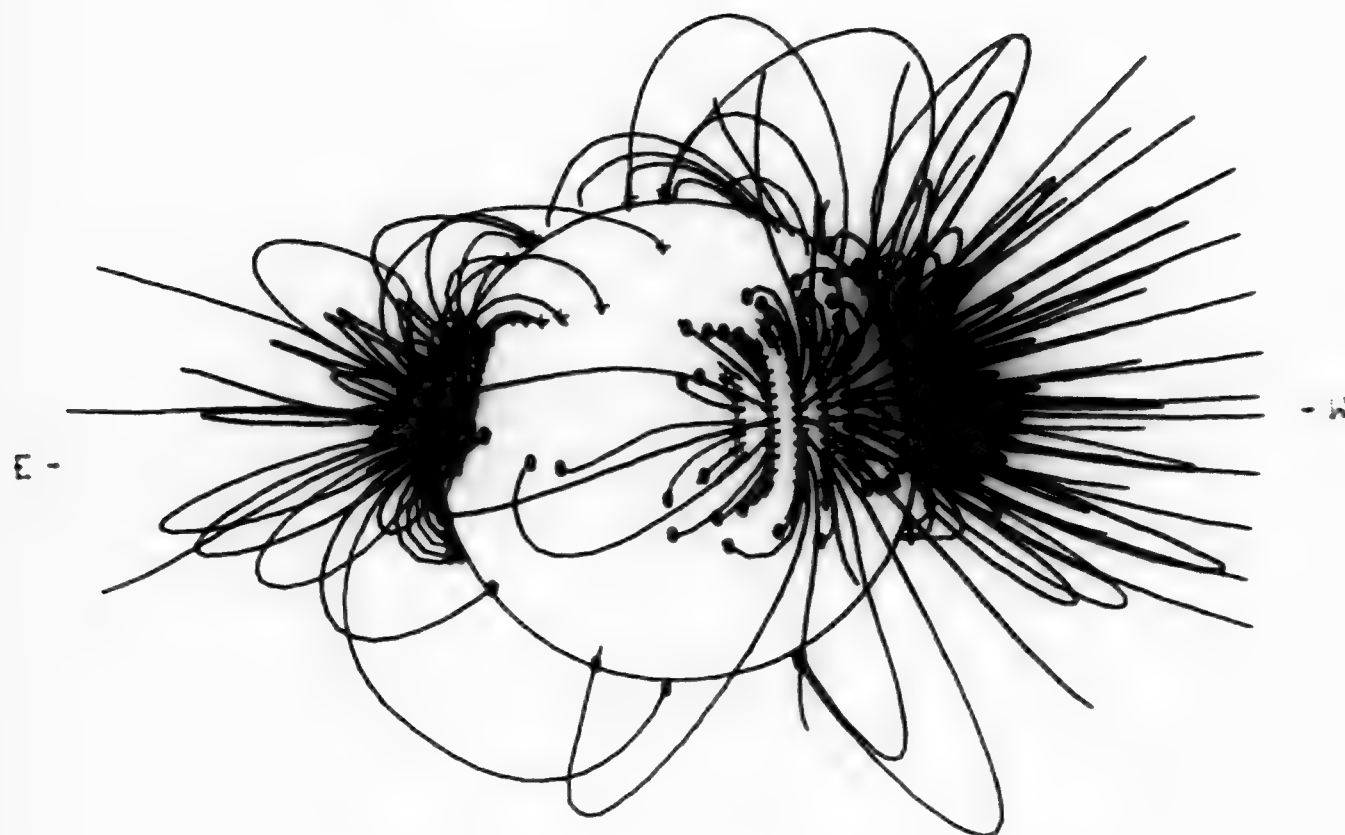
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1473.47

ROT. 1474 LONG. 281°
16.5 NOV 1955

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

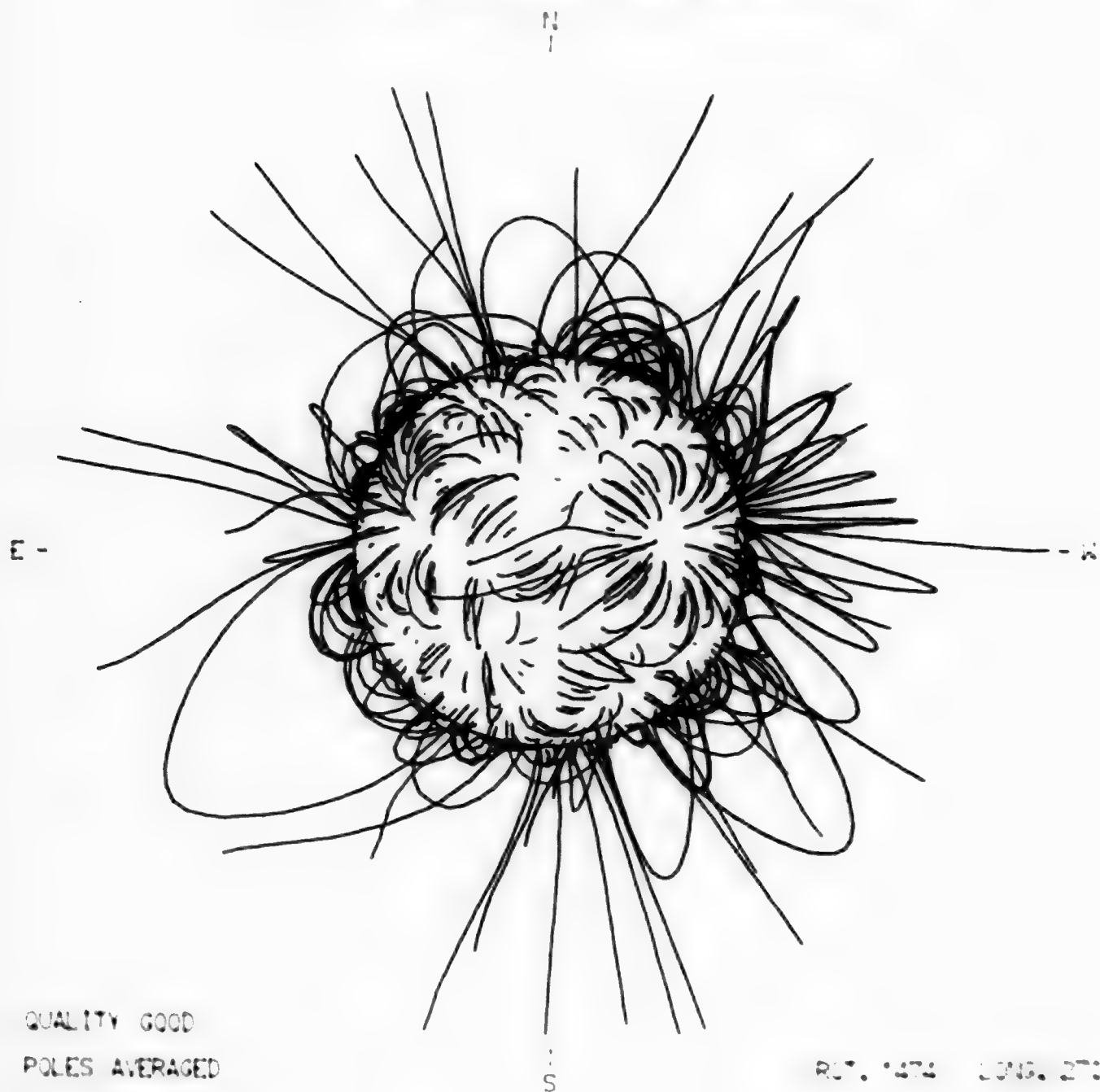


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1473.47

1
 S

RET. 1474 LON. 281°
 16.5 10. 1983

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

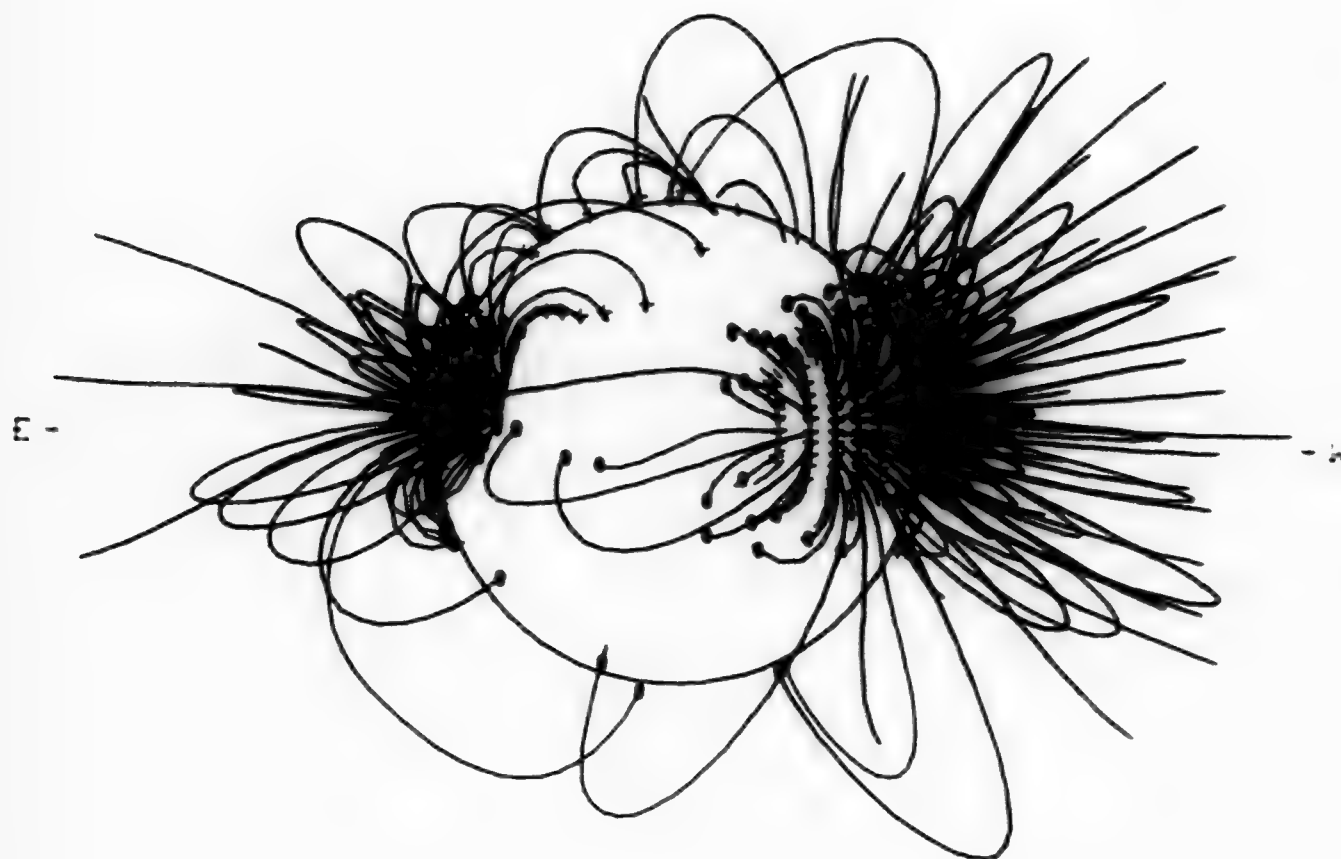
DATA WINDOW 1473.47

ROT. 1472 LONG. 271°

17.1 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1473.47

S

ROT. 1474 2016.270°

17.1 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



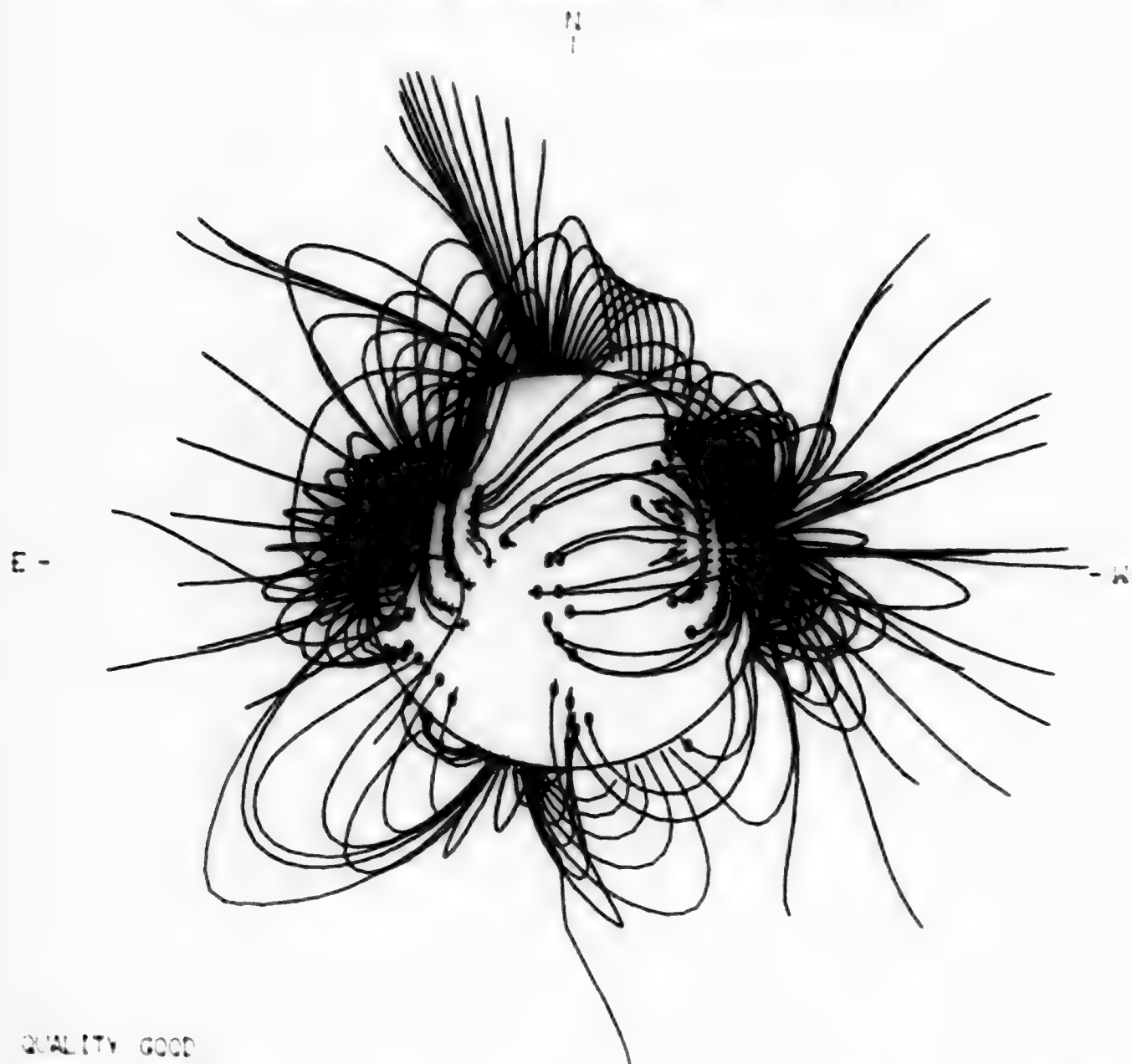
E -

QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.00

5

REL. 1474 1000.000
17.5 100 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

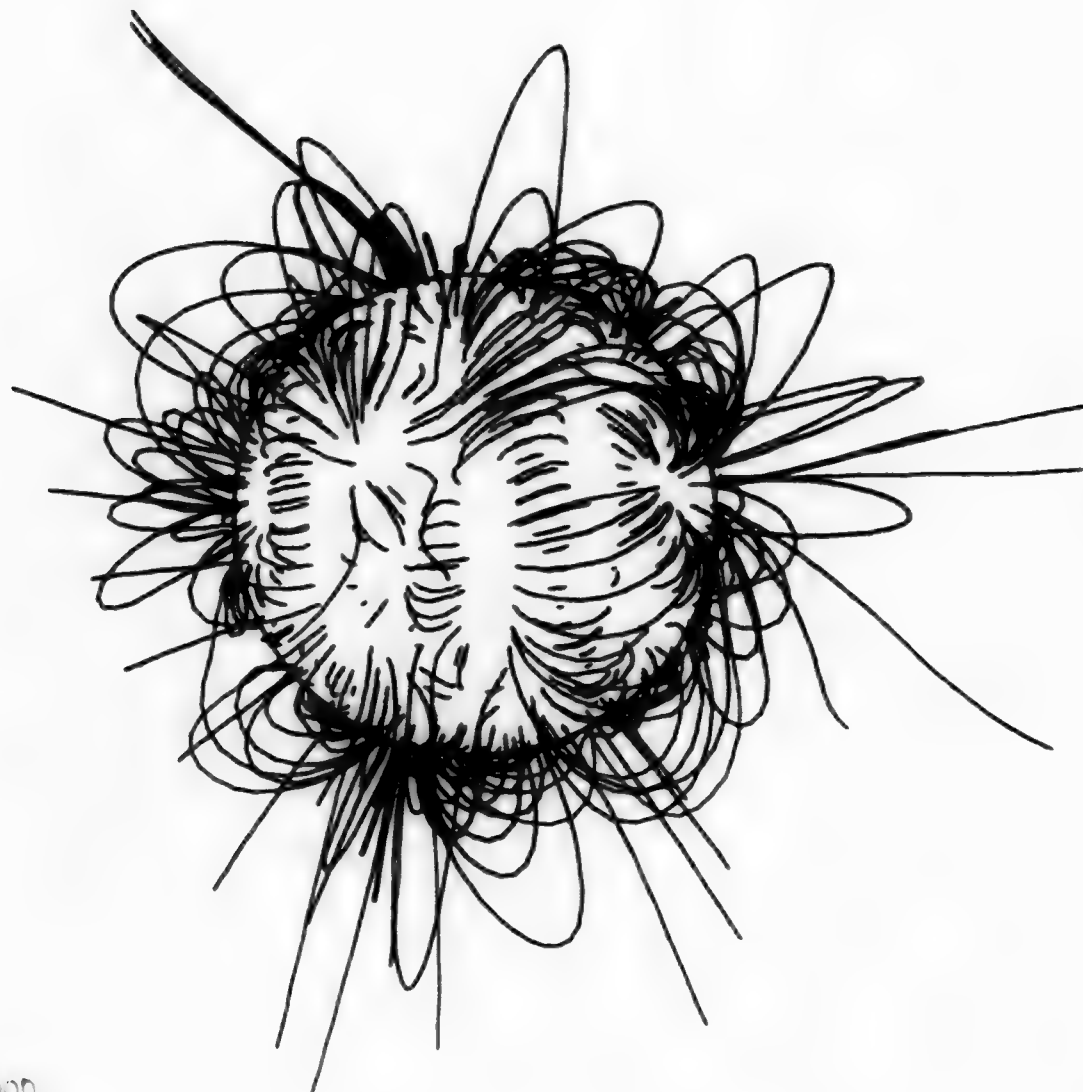
DATA WINDOW 1474.00

S

RUT. 1271 LONG. 25.0

17.6 101 1983

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

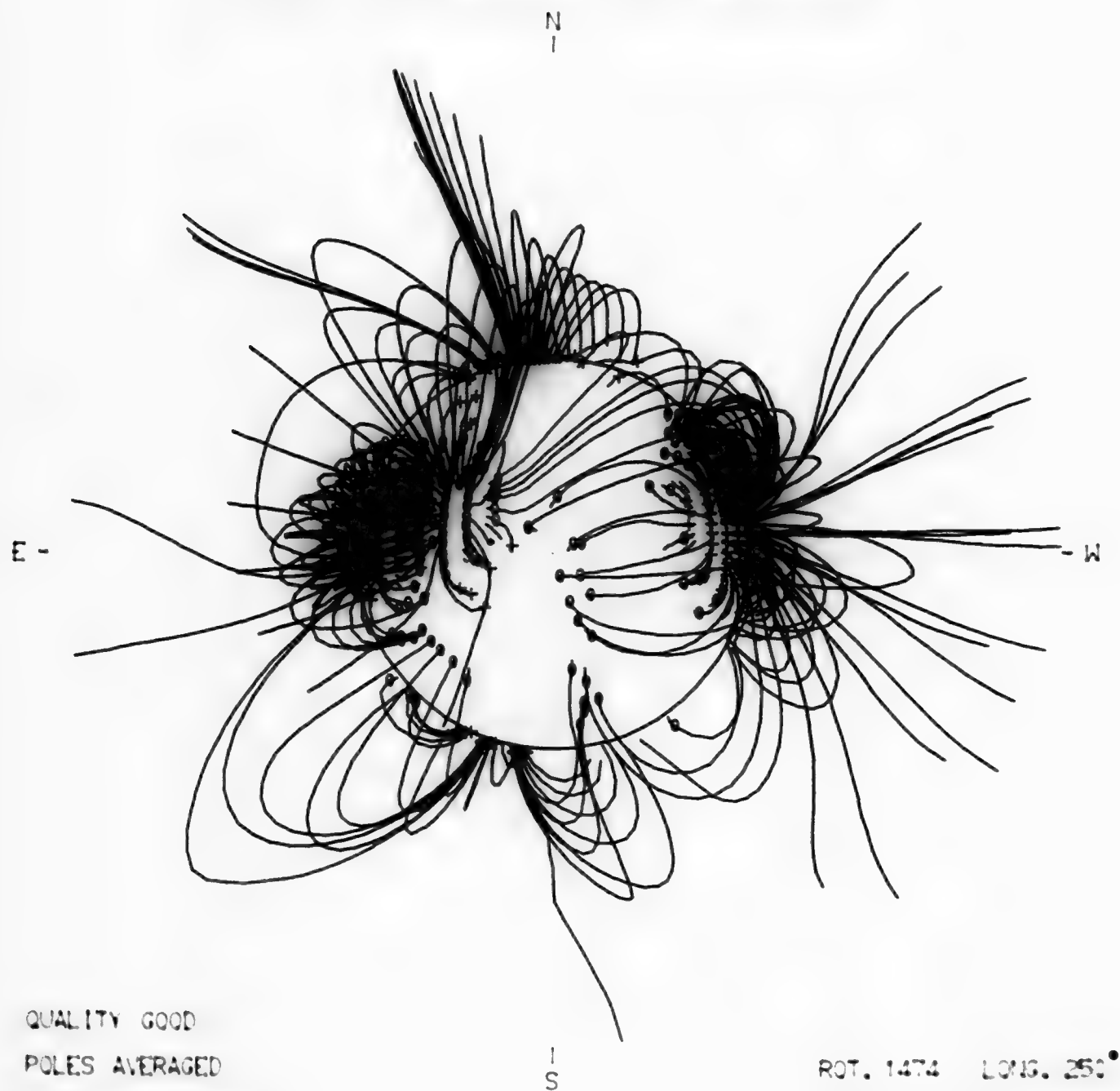
DATA WINDOW 1474.00

1
S

ROT. 1474 LONG. 250°

18.6 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

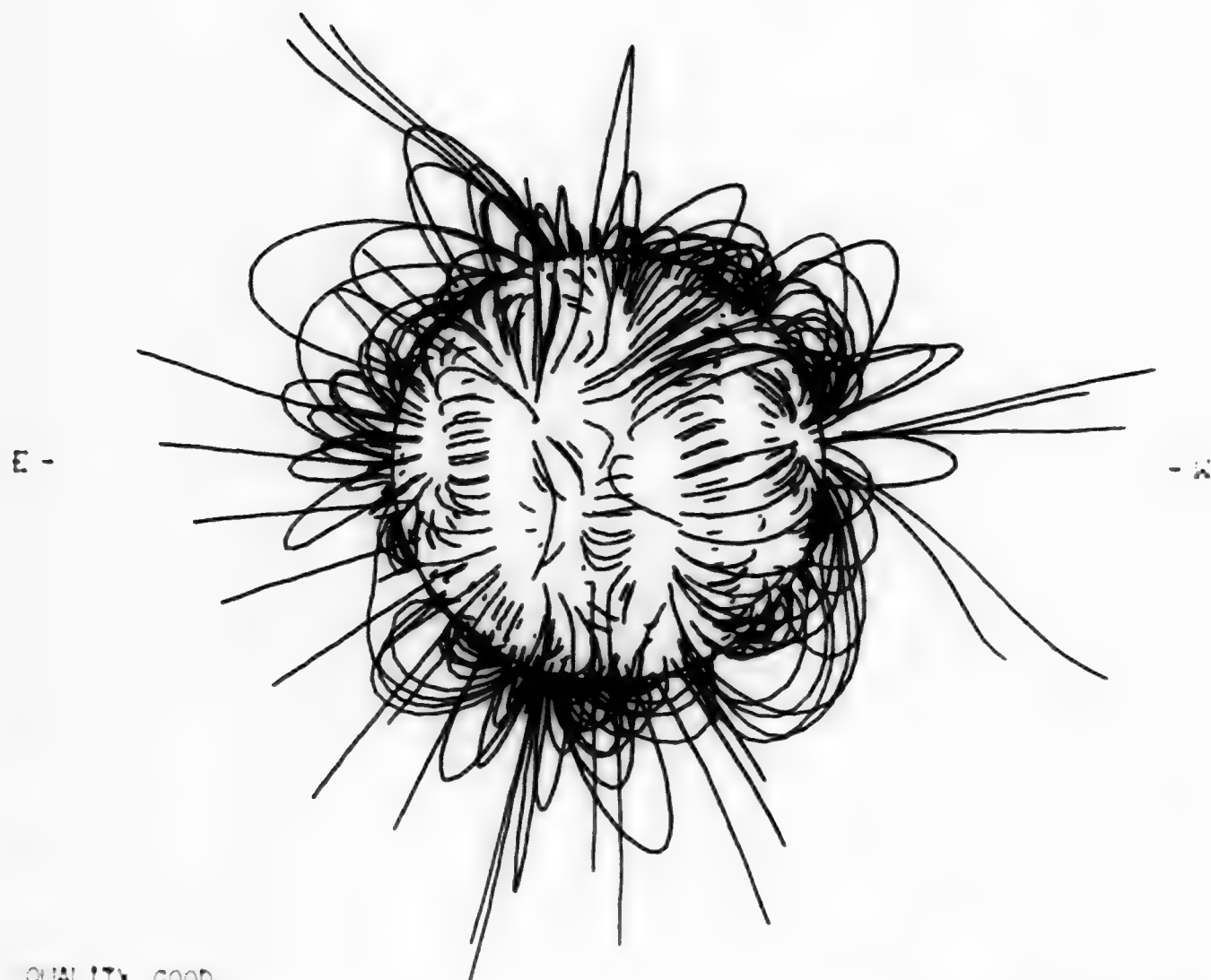
POLES AVERAGED

DATA WINDOW 1474.00

ROT. 1474 LONG. 250°

18.6 NOV 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1474.00

ROT. 1474 LONG. 240°

19.4 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

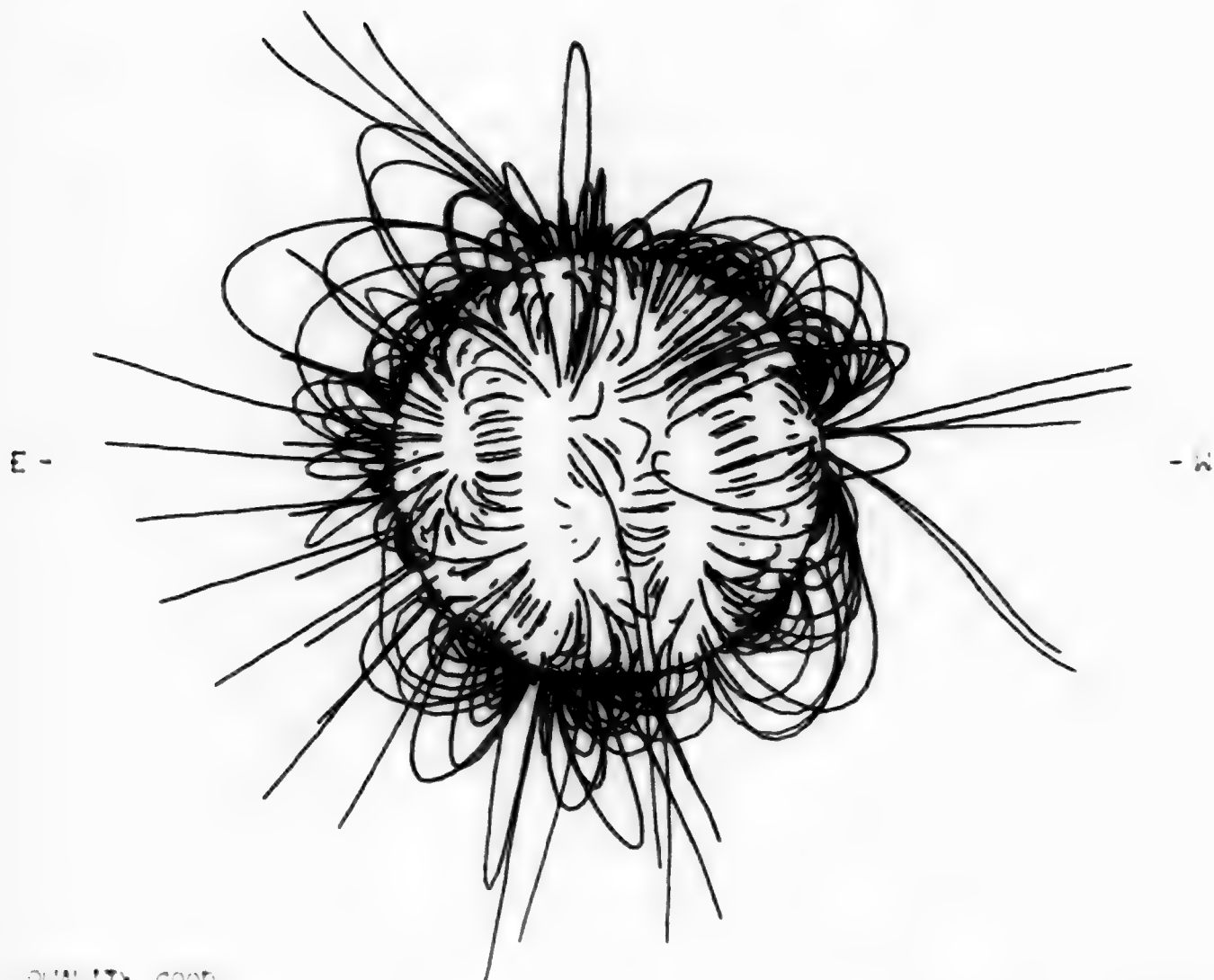
POLES AVERAGED

DATA WINDOW 1474.00

ROT. 1474 2010. 240°

19.4 10. 1955

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

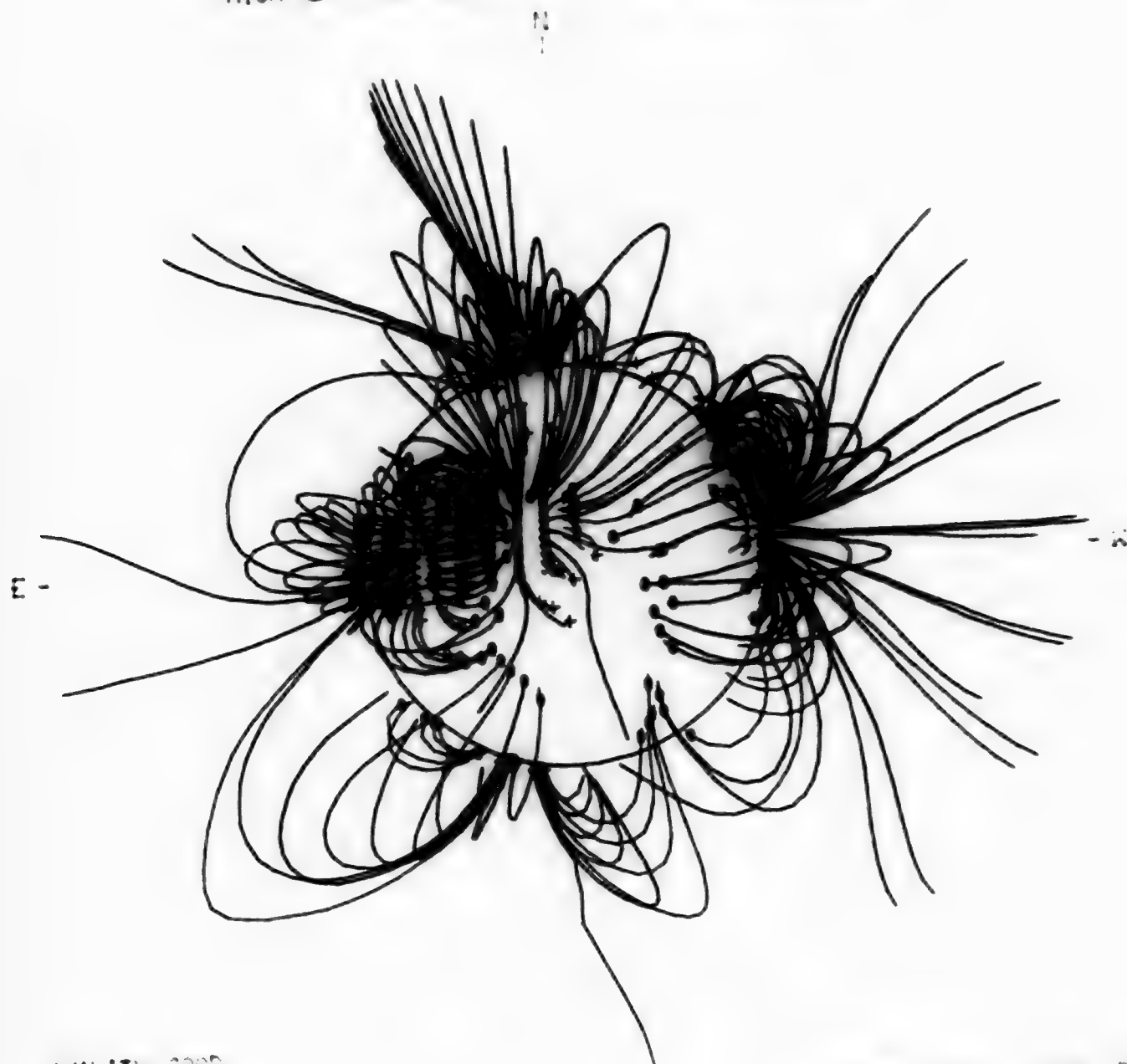
DATA WINDOW 1.474.00

S

ROT. 1.474 1.474.250°

20.1 10.1 1.474

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



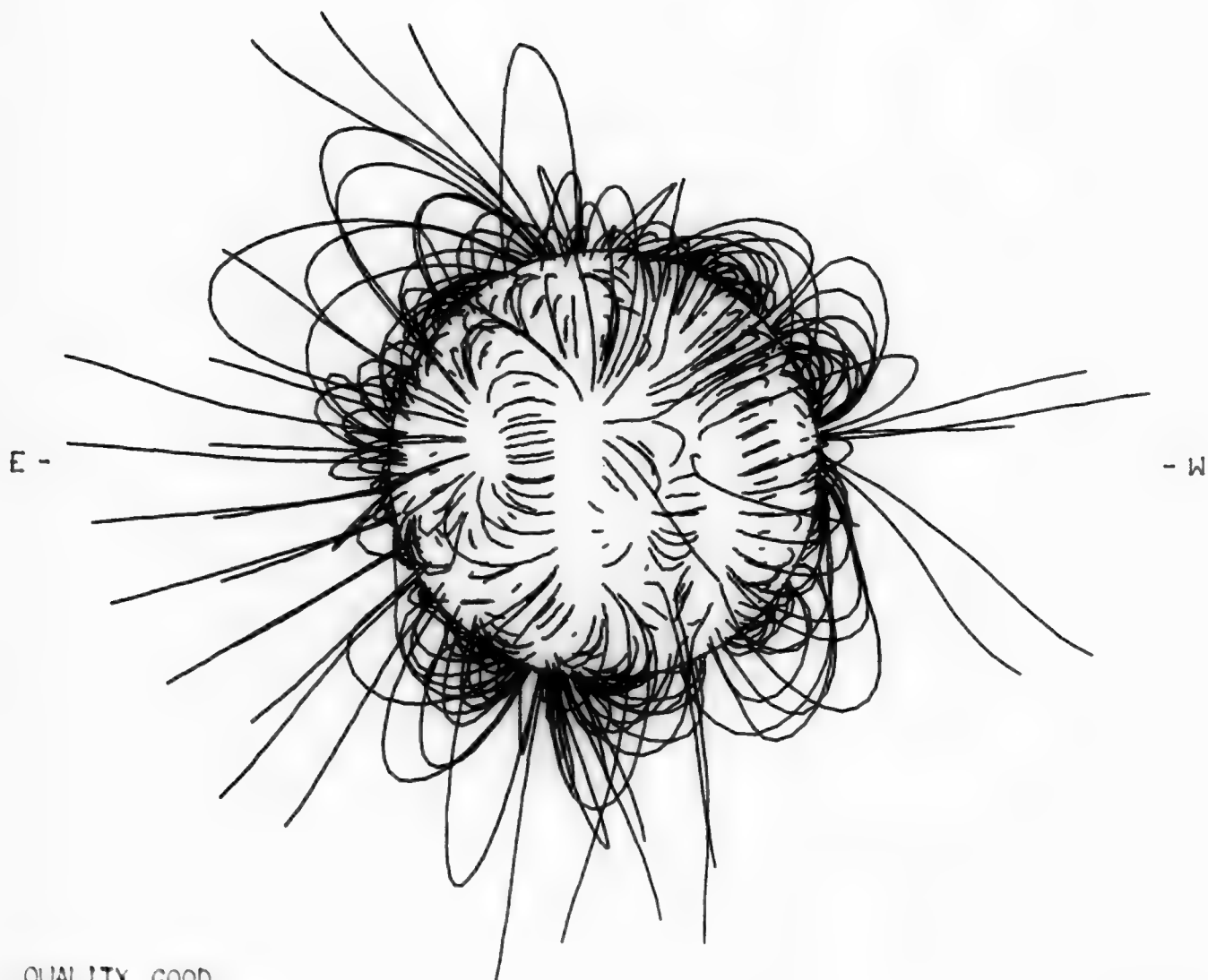
QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1474.00

S

ROT. 1272 1346. 250°
 20.1 10. 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

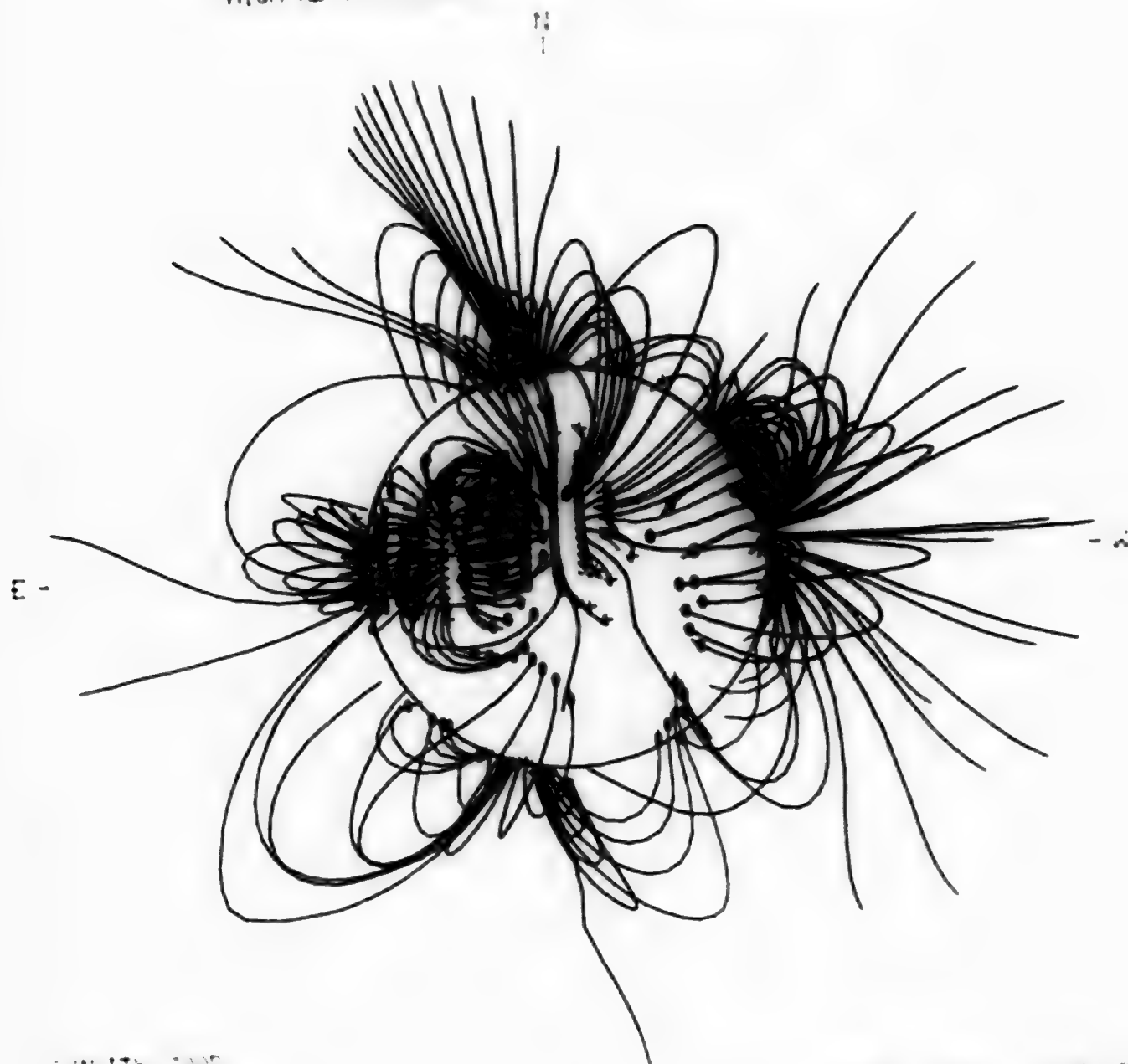
DATA WINDOW 1474.00

|
S

ROT. 1474 LONG. 220°

20.9 NOV 1963

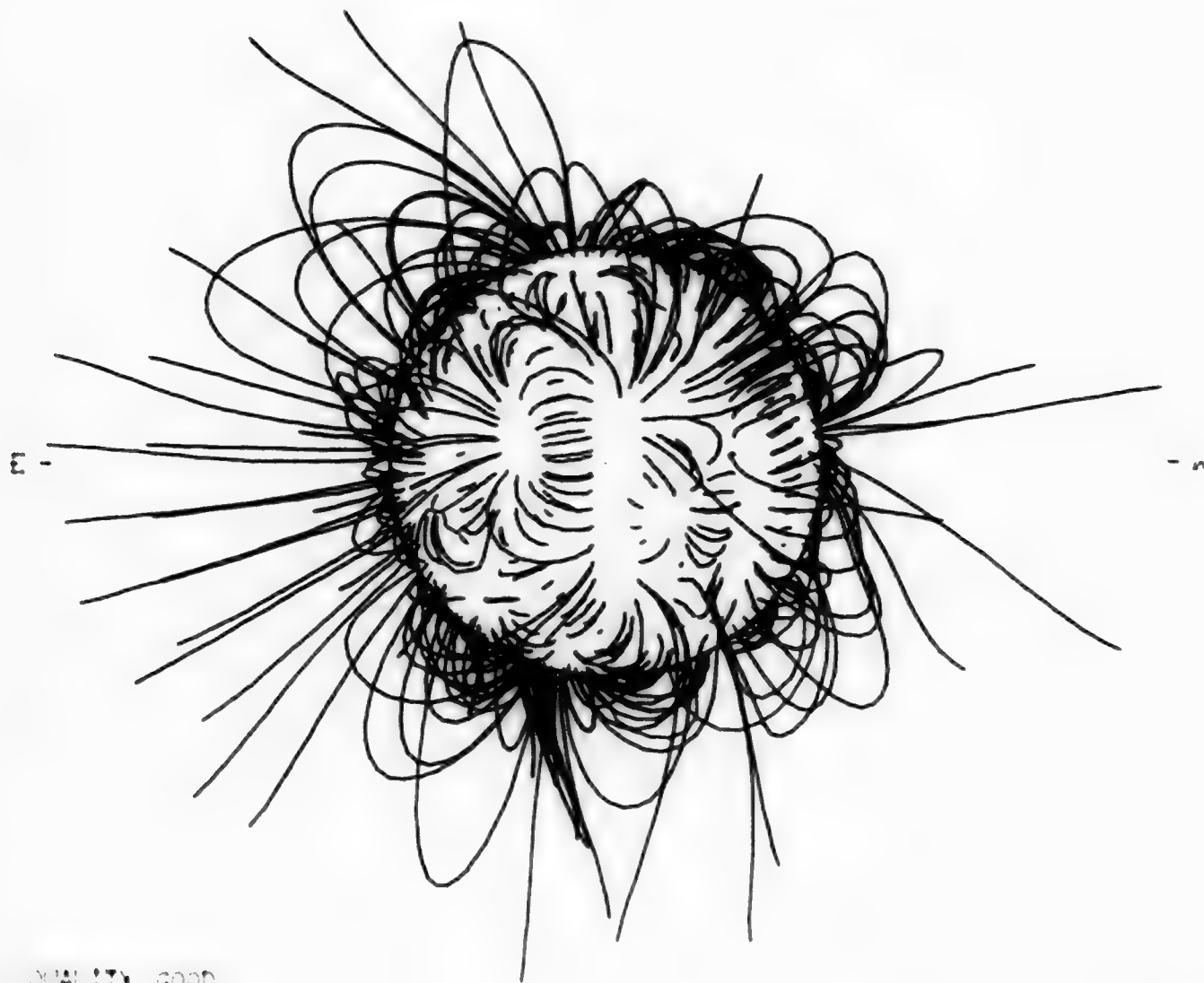
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.00

ROT. 1474 1474.00
20.8 1474 1474.00

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

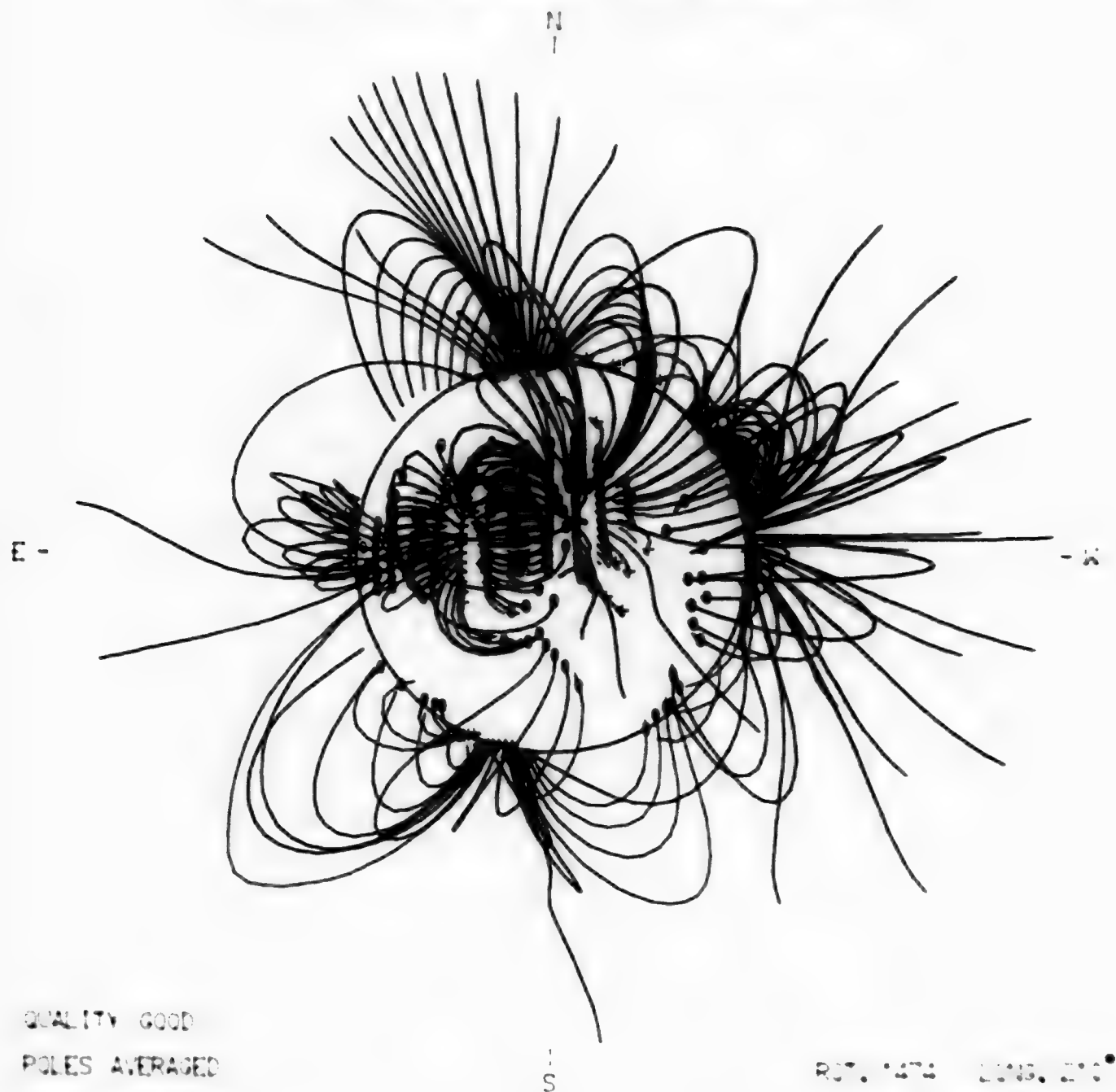
DATA WINDOW 1474.00

S

ROT. 1474 2016. 211°

21.6 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

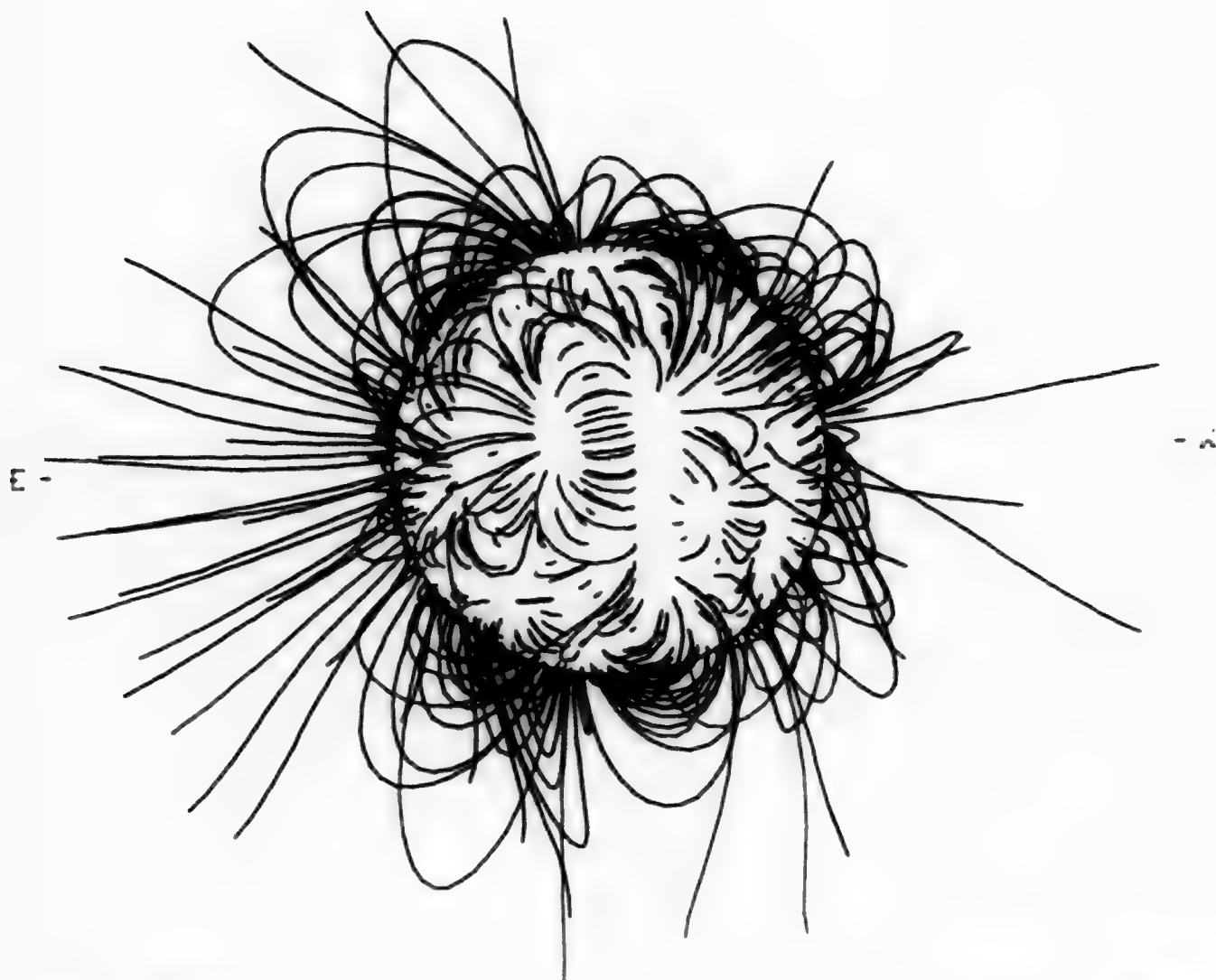
POLES AVERAGED

DATA WINDOW 1474.00

ROT. 1474 LONG. 210°

21.5 JUL 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

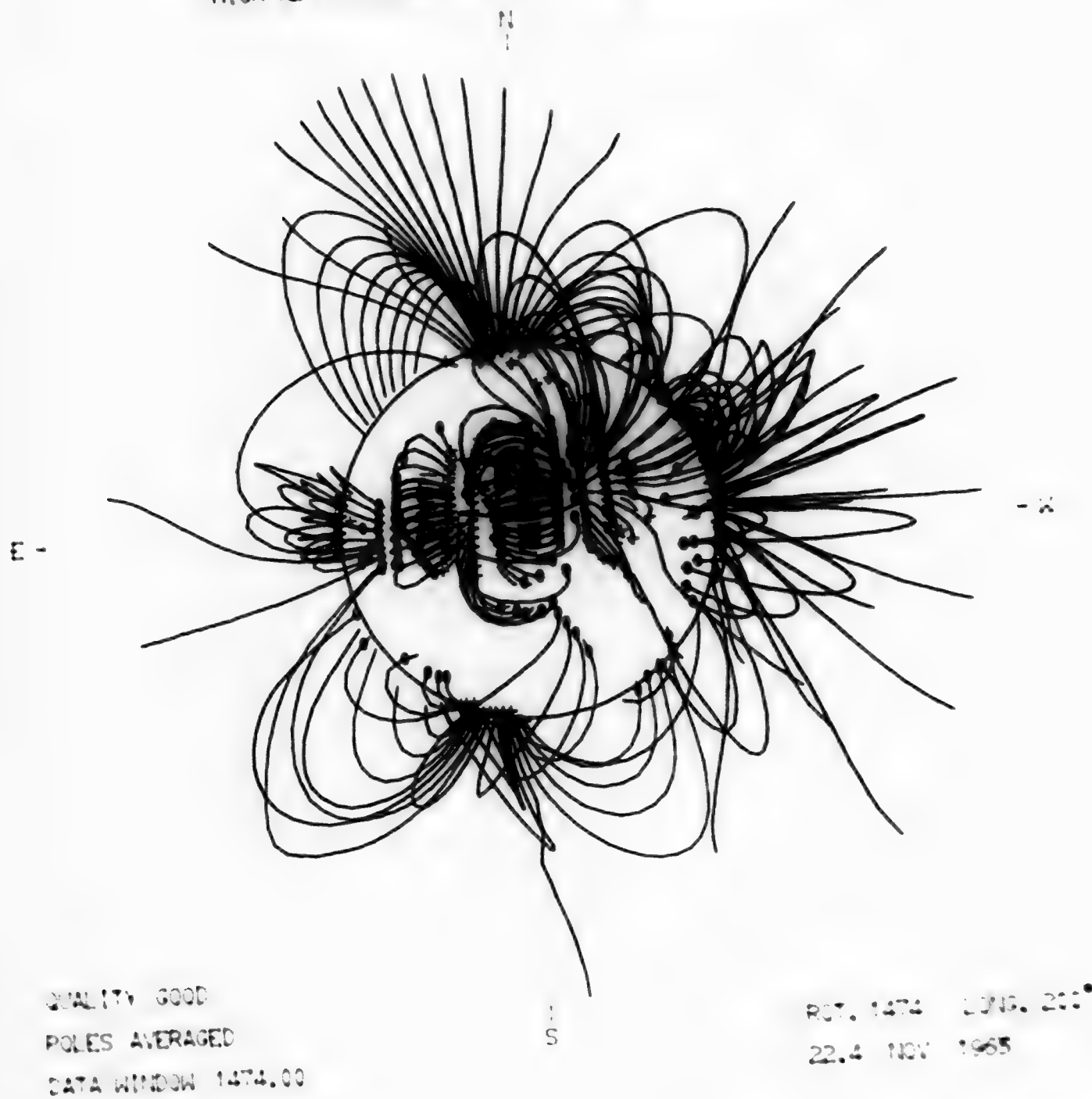


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.00

1
S

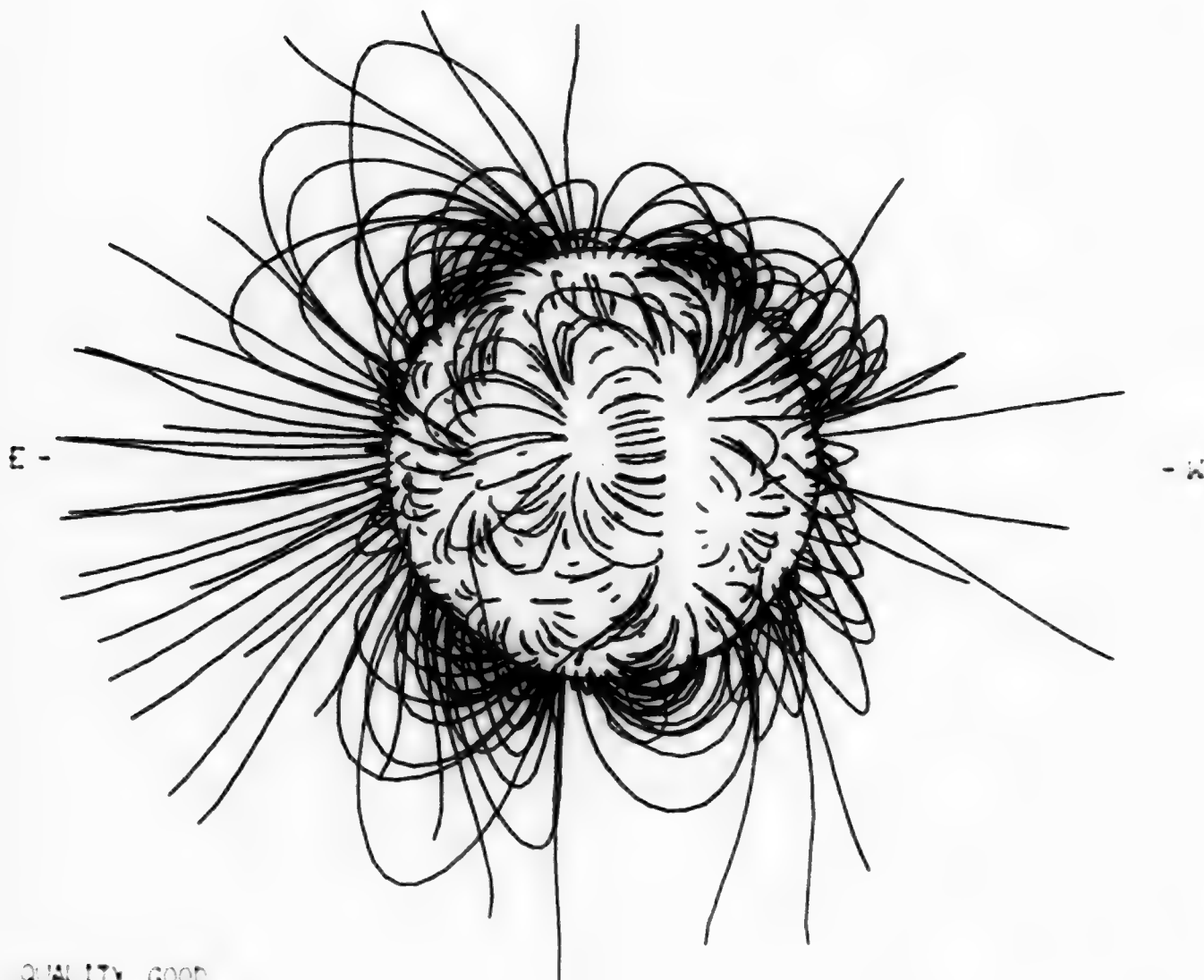
ROT. 1474 1475.200
22.4 1474 1475

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

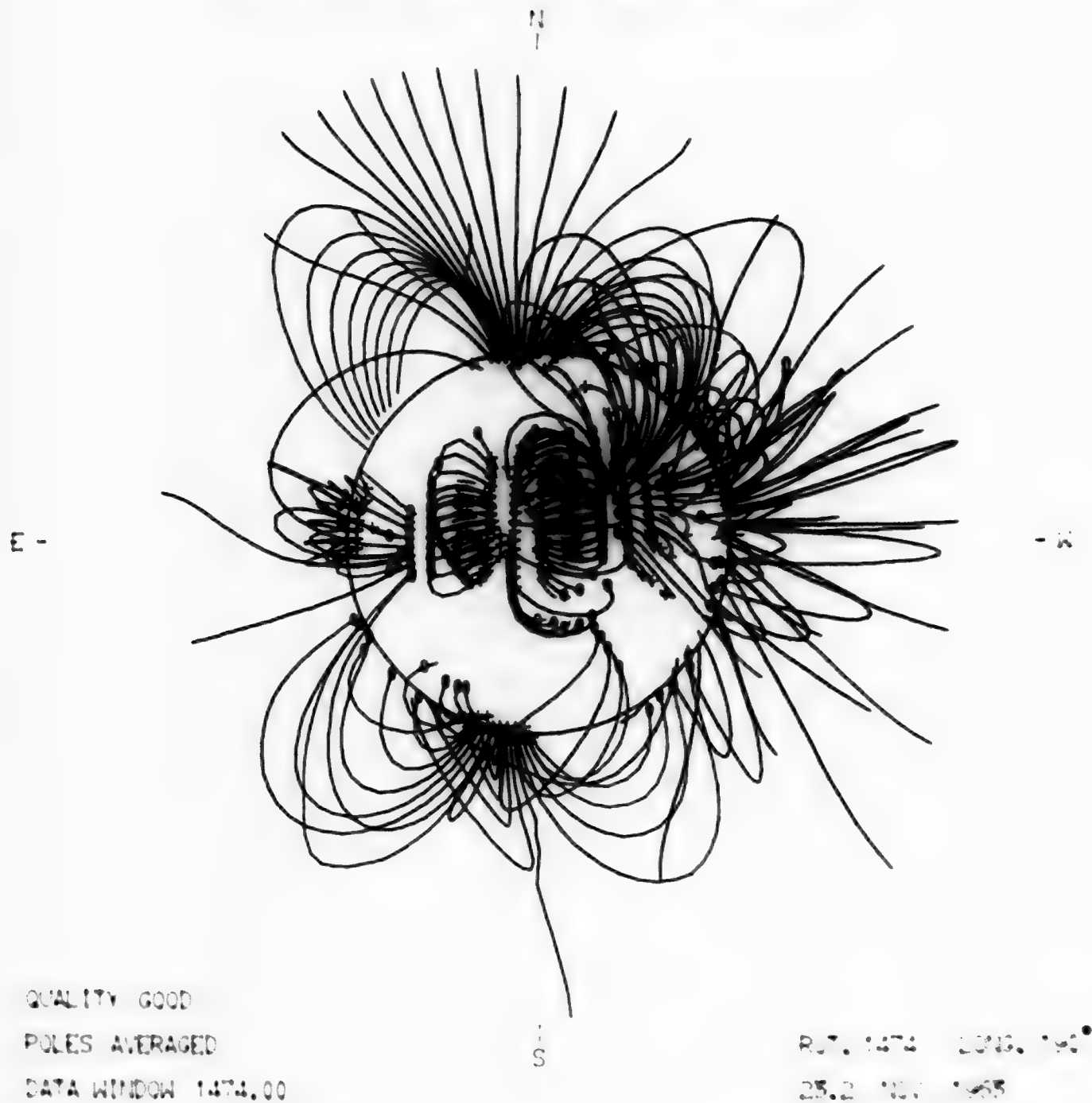
DATA WINDOW 1474.00

S
|

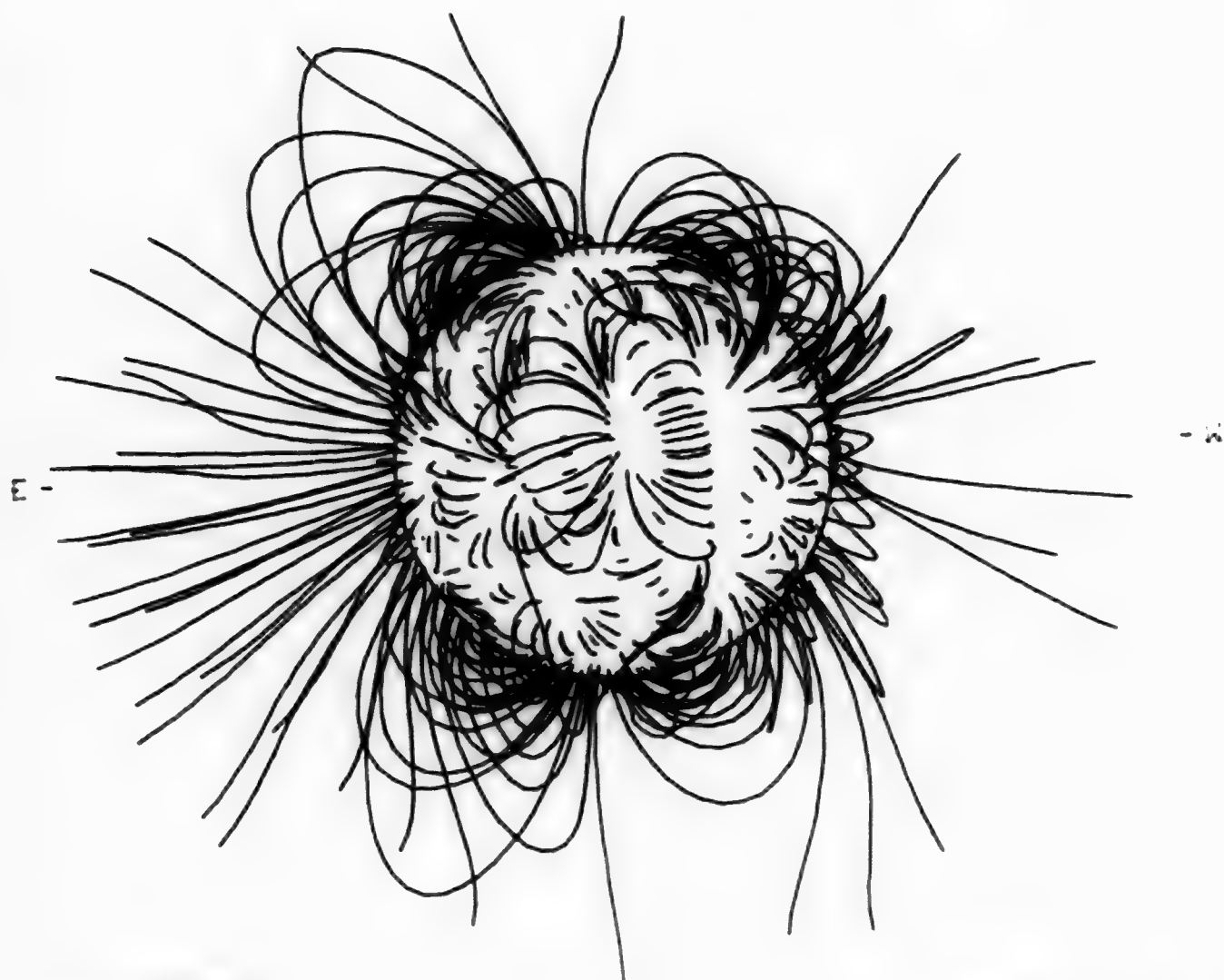
ROT. 1474 LONG. 140°

25.2 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



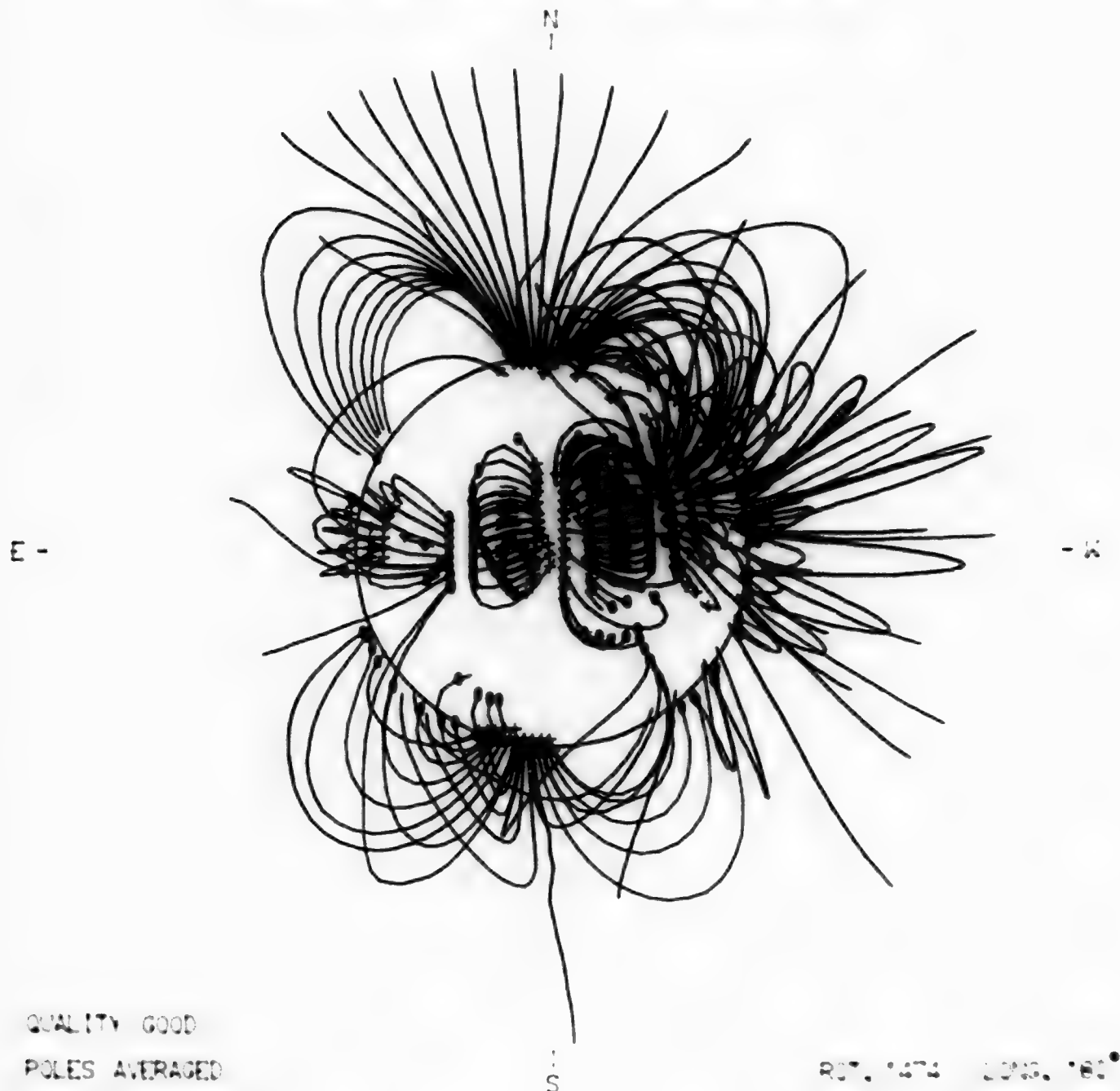
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.00

ROT. 1474 LONG. 181°
25.9 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

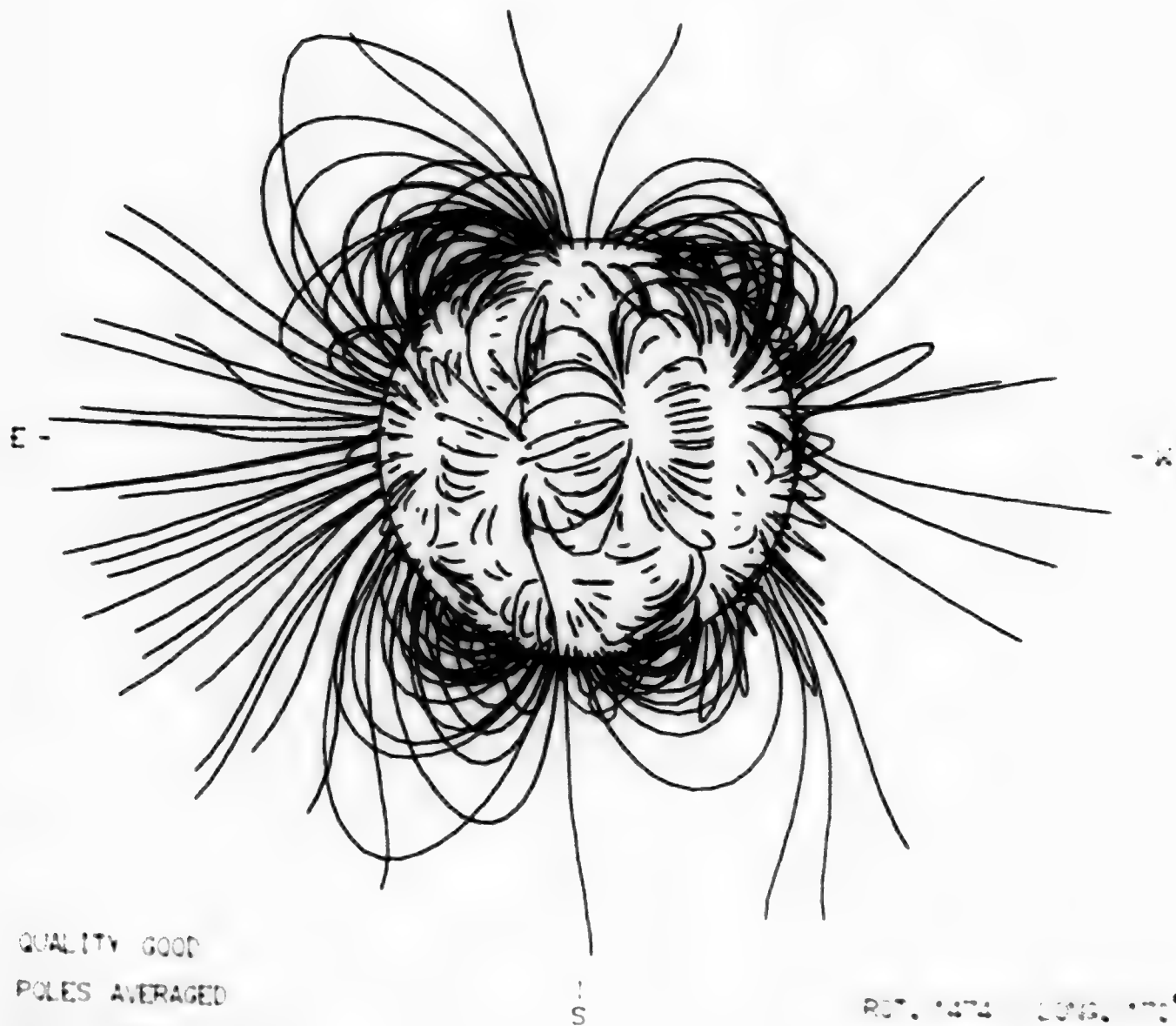
POLES AVERAGED

DATA WINDOW 1474.00

ROT. 1474 LONG. 181°

23.9 NOV 1965

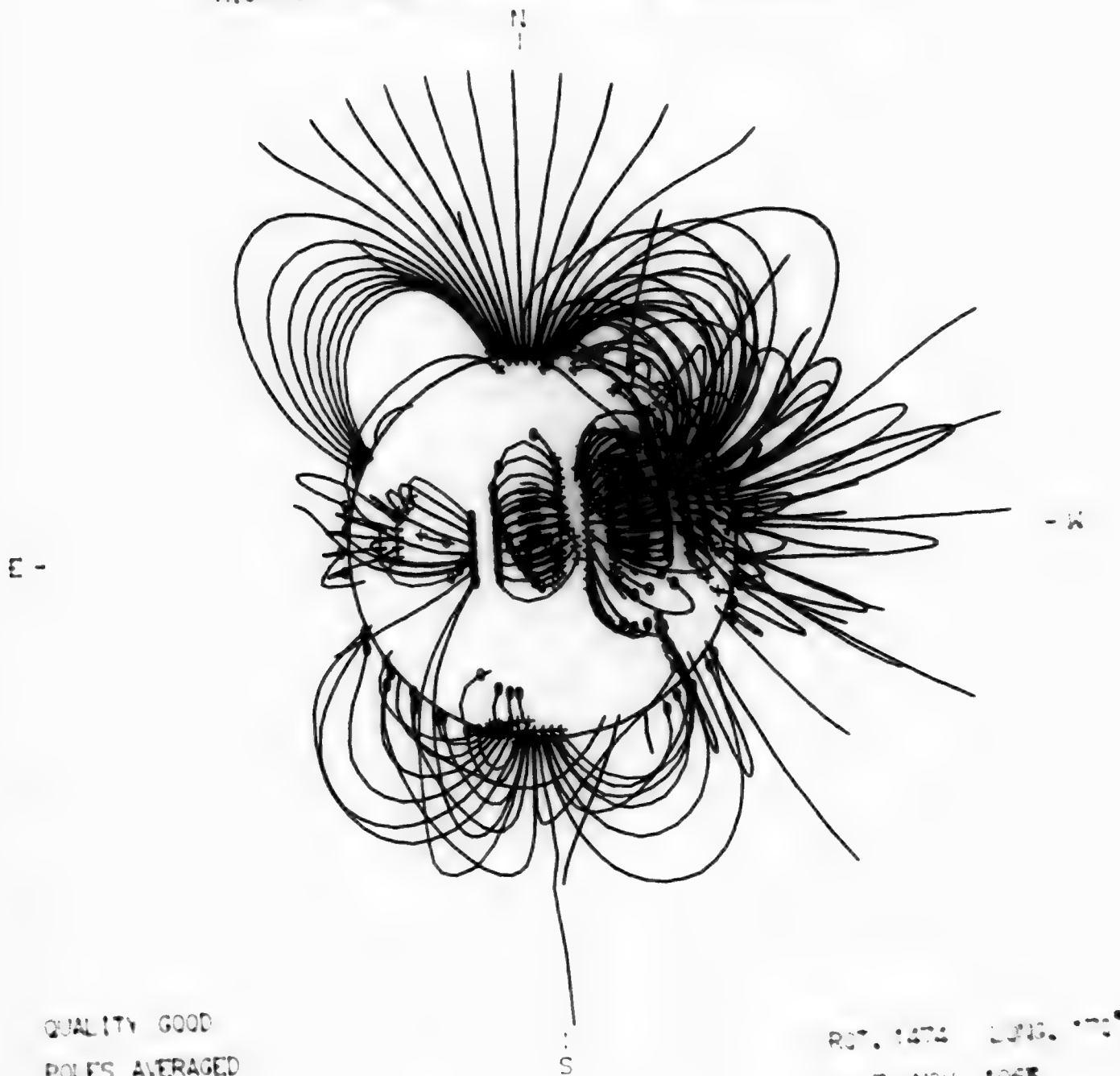
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.00

ROT. 1274 1000. 170°
24.7 10.1 1968

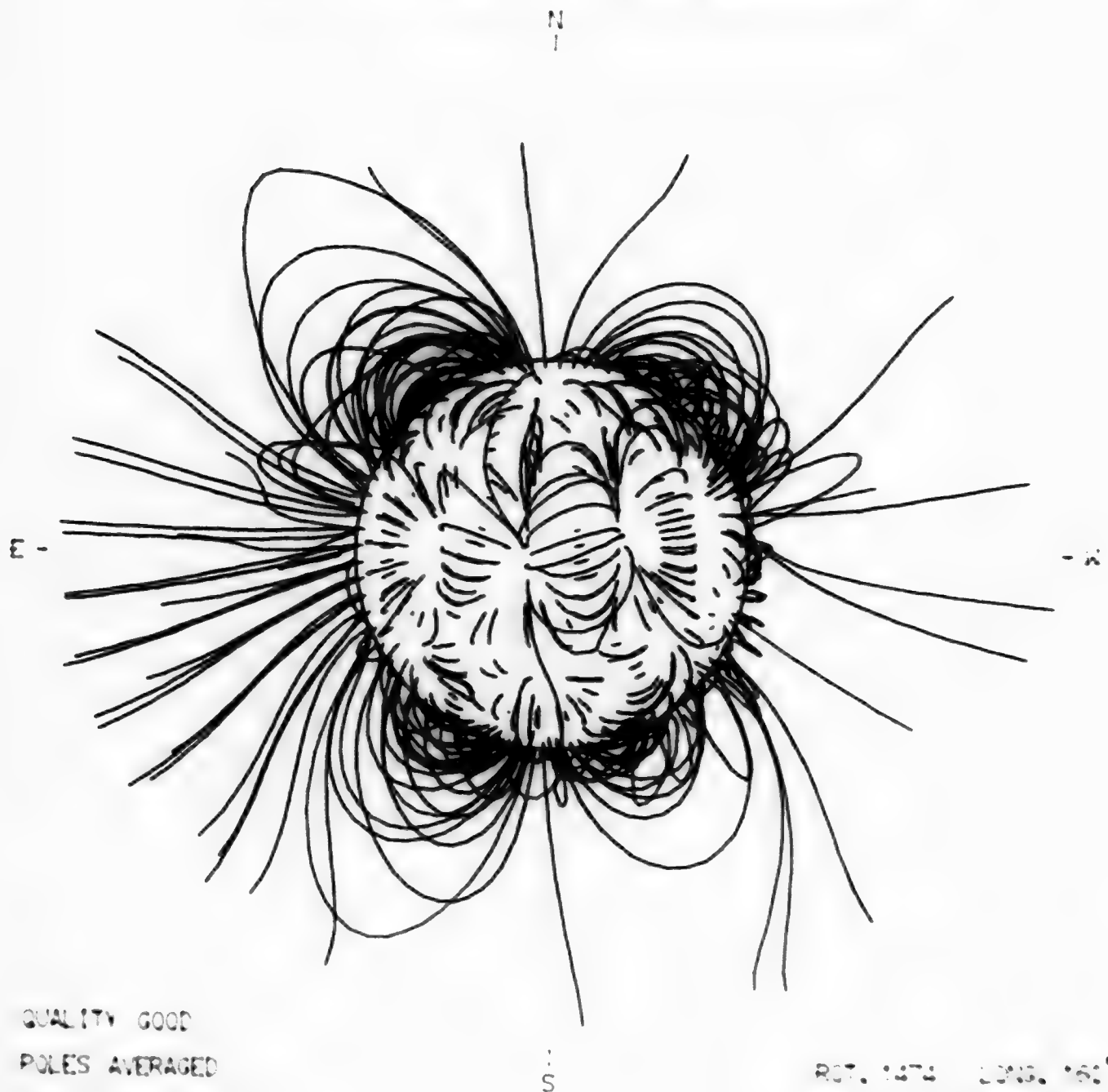
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1.274.00

ROT. 1.272 1.272. 1.272
 24.7 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

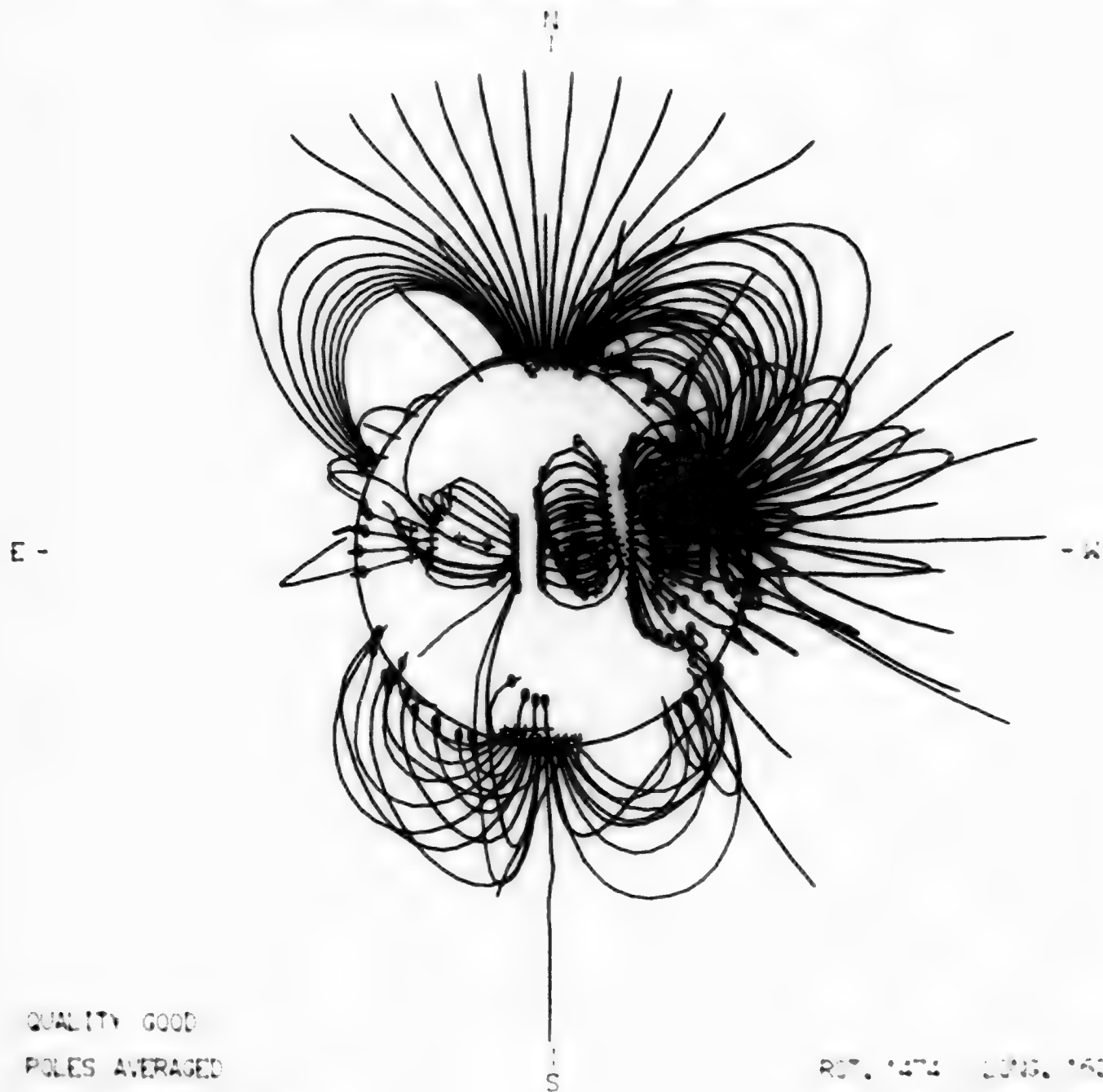
POLES AVERAGED

DATA WINDOW 1474.00

ROT. 1474 LONG. 161°

25.4 10. 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

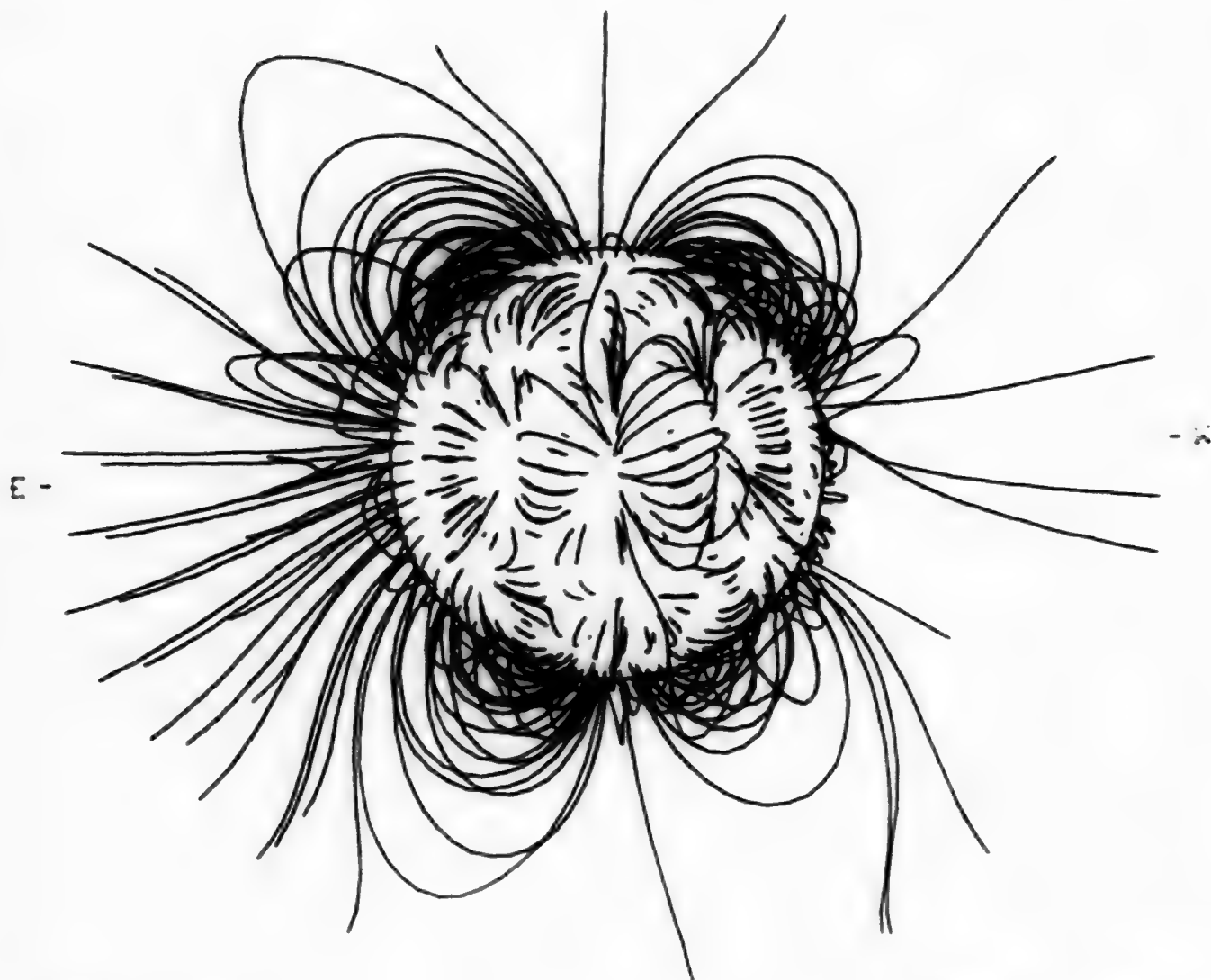
POLES AVERAGED

DATA WINDOW 1474.00

ROT. 1474 LONG. 140°

25.4 NOV 1965

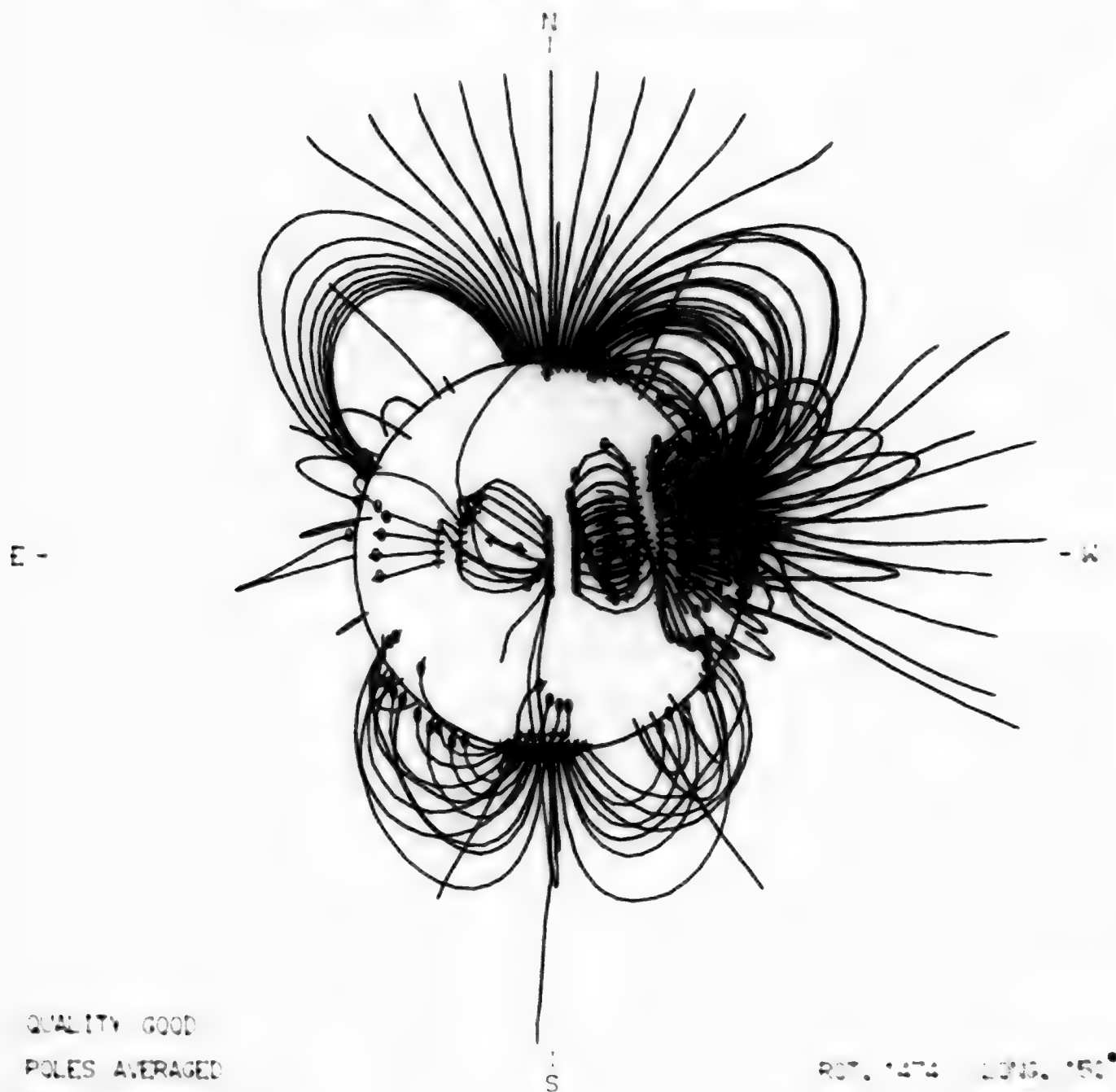
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.00

RUT. 1474 2013. 151°
26.2 101 1485

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

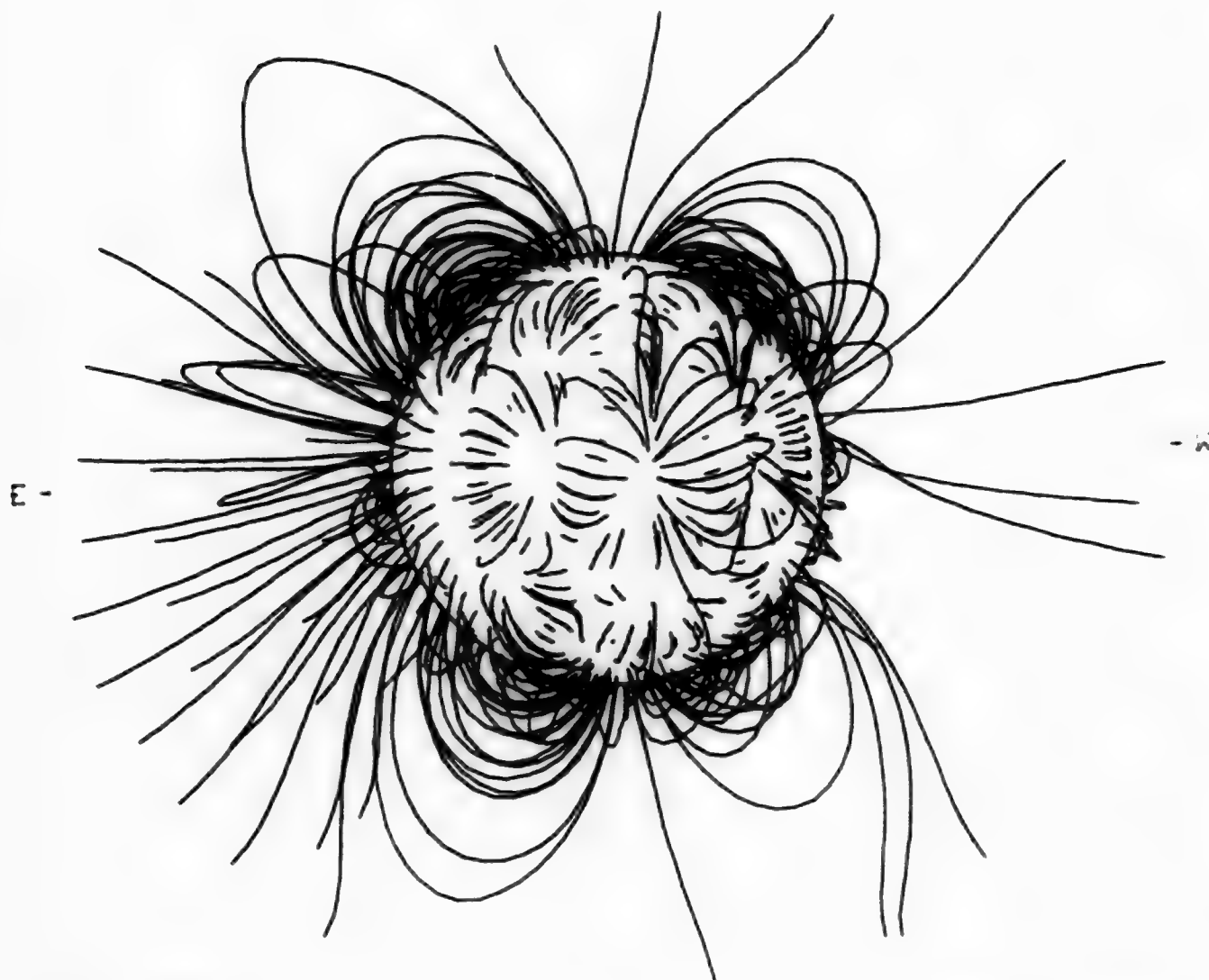
DATA WINDOW 1474.00

ROT. 1474 2016. 150°

26.2 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

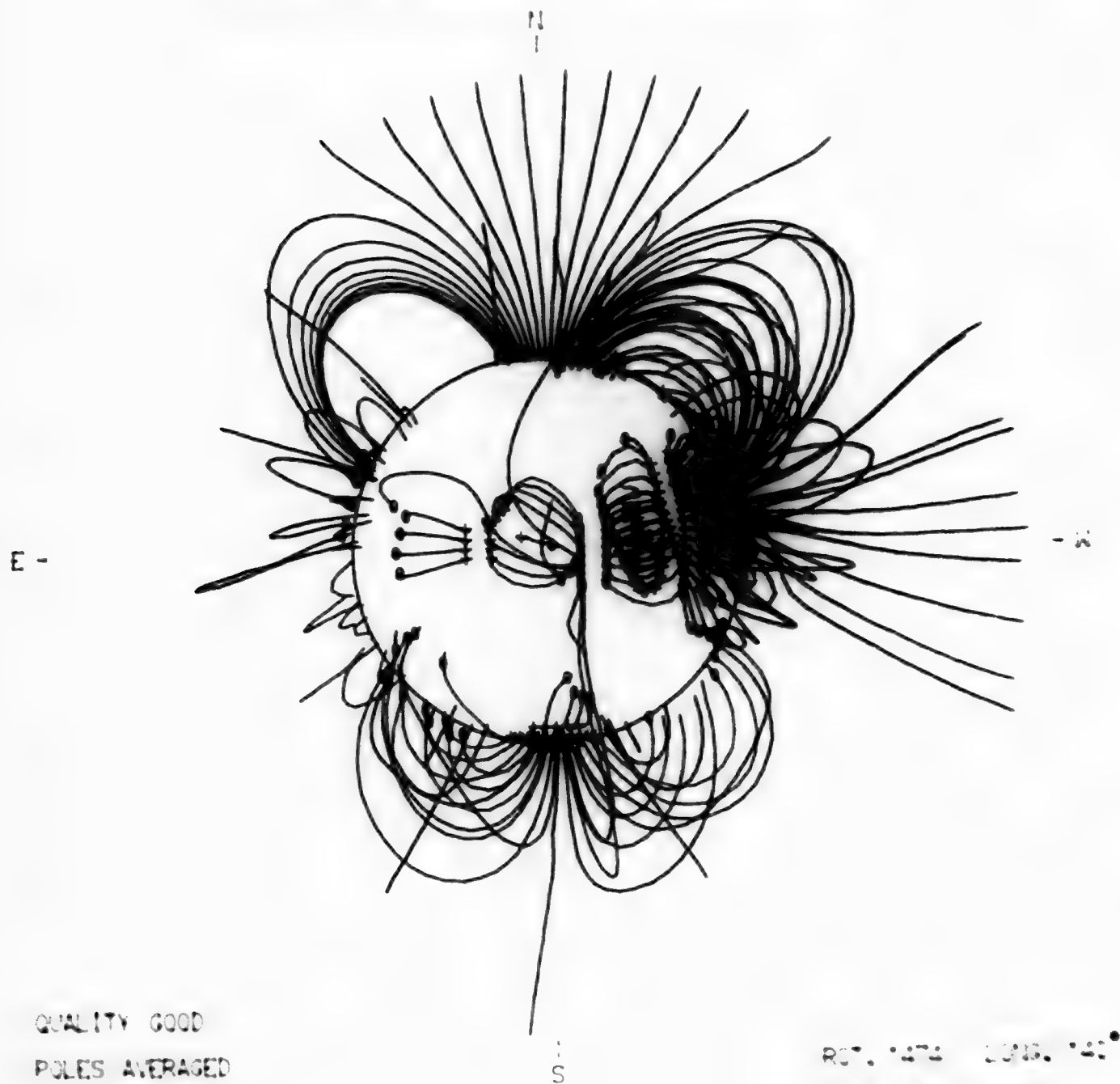
POLES AVERAGED

DATA WINDOW 1474.00

1
S

RCT. 1474 1015. 141°
27.0 101 141°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

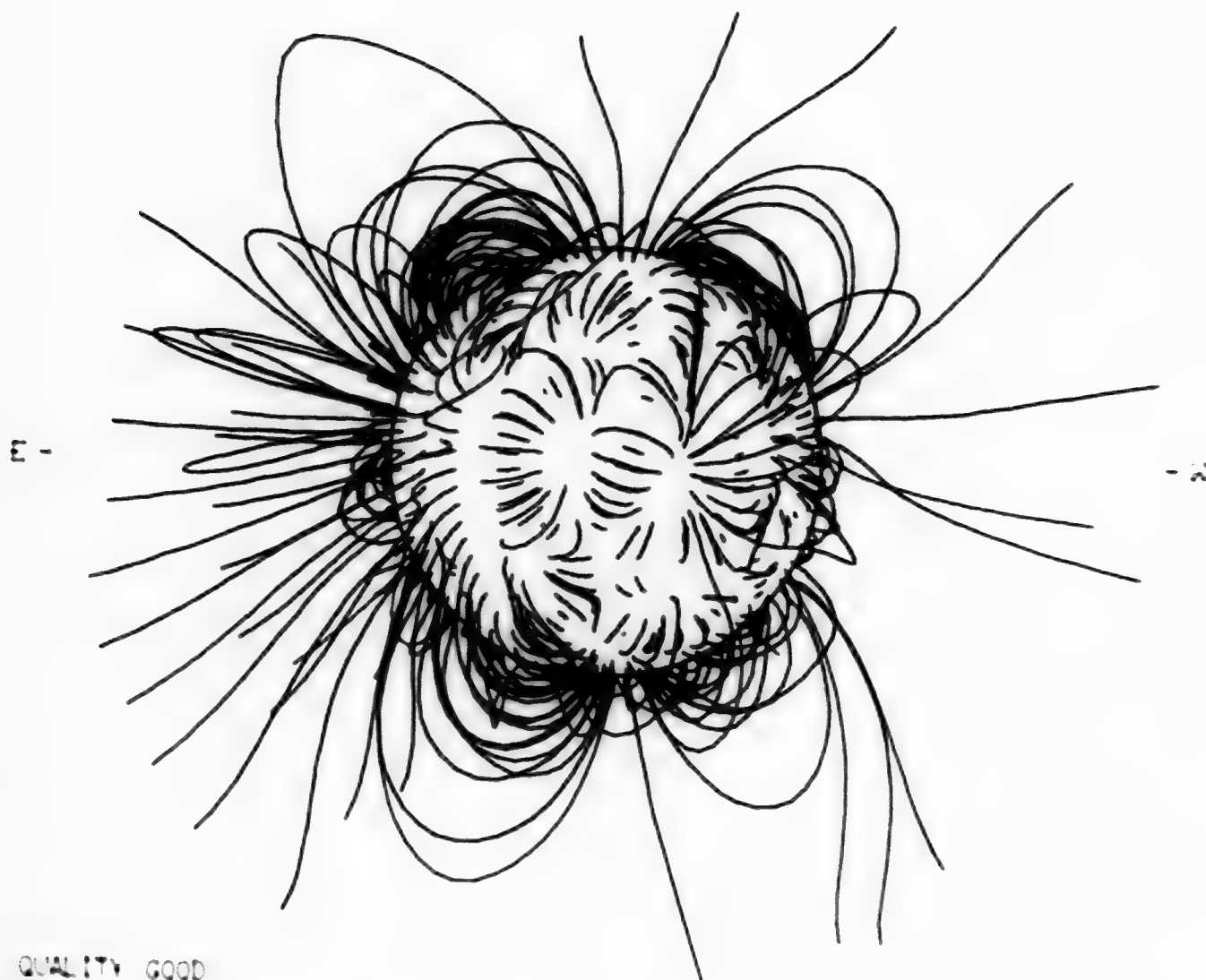


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1474.00

ROT. 1474 1016. 141°
 27.0 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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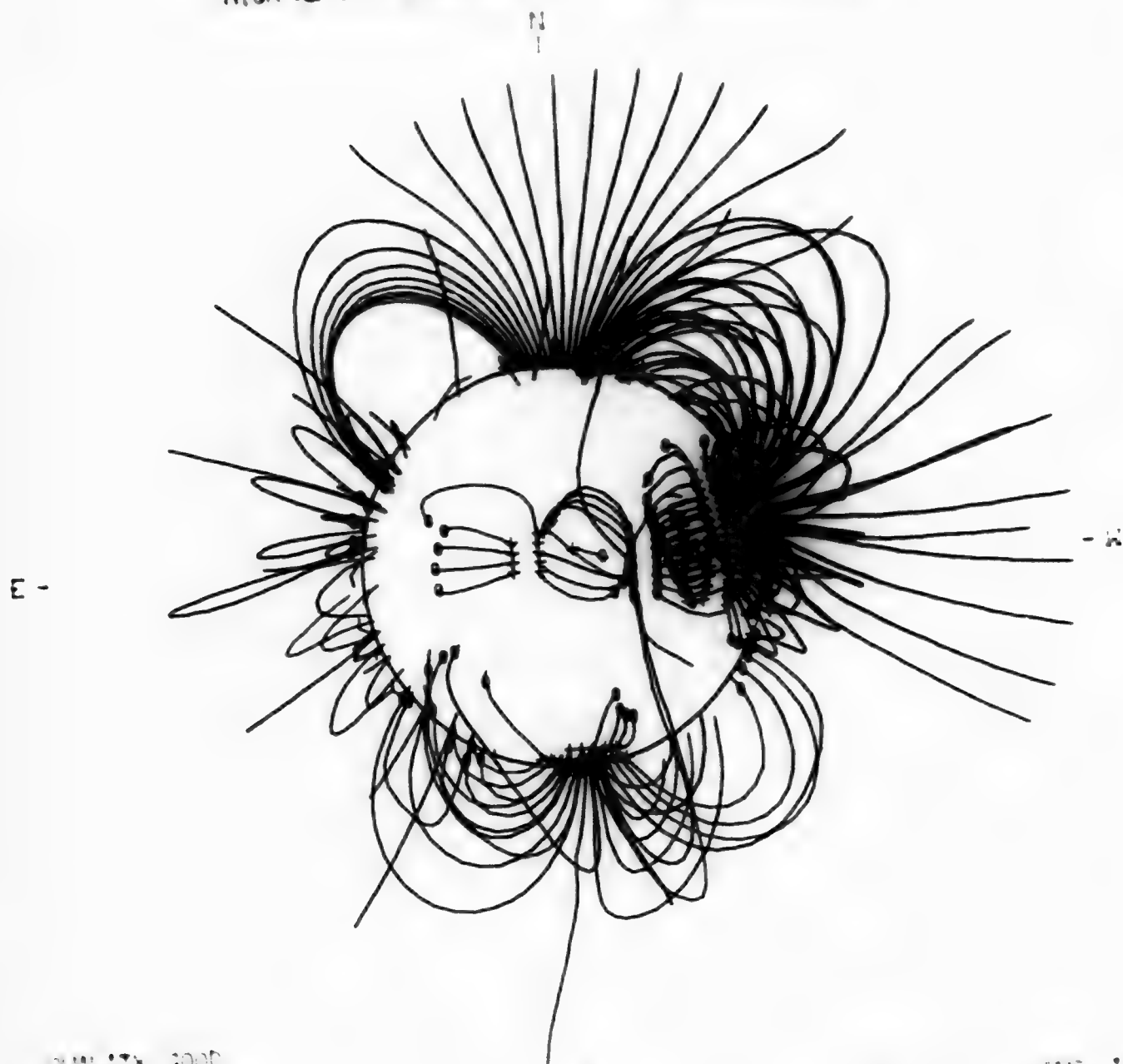


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.00

1
S

ROT. 1474 LONG. 150°
27.7 NOV 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

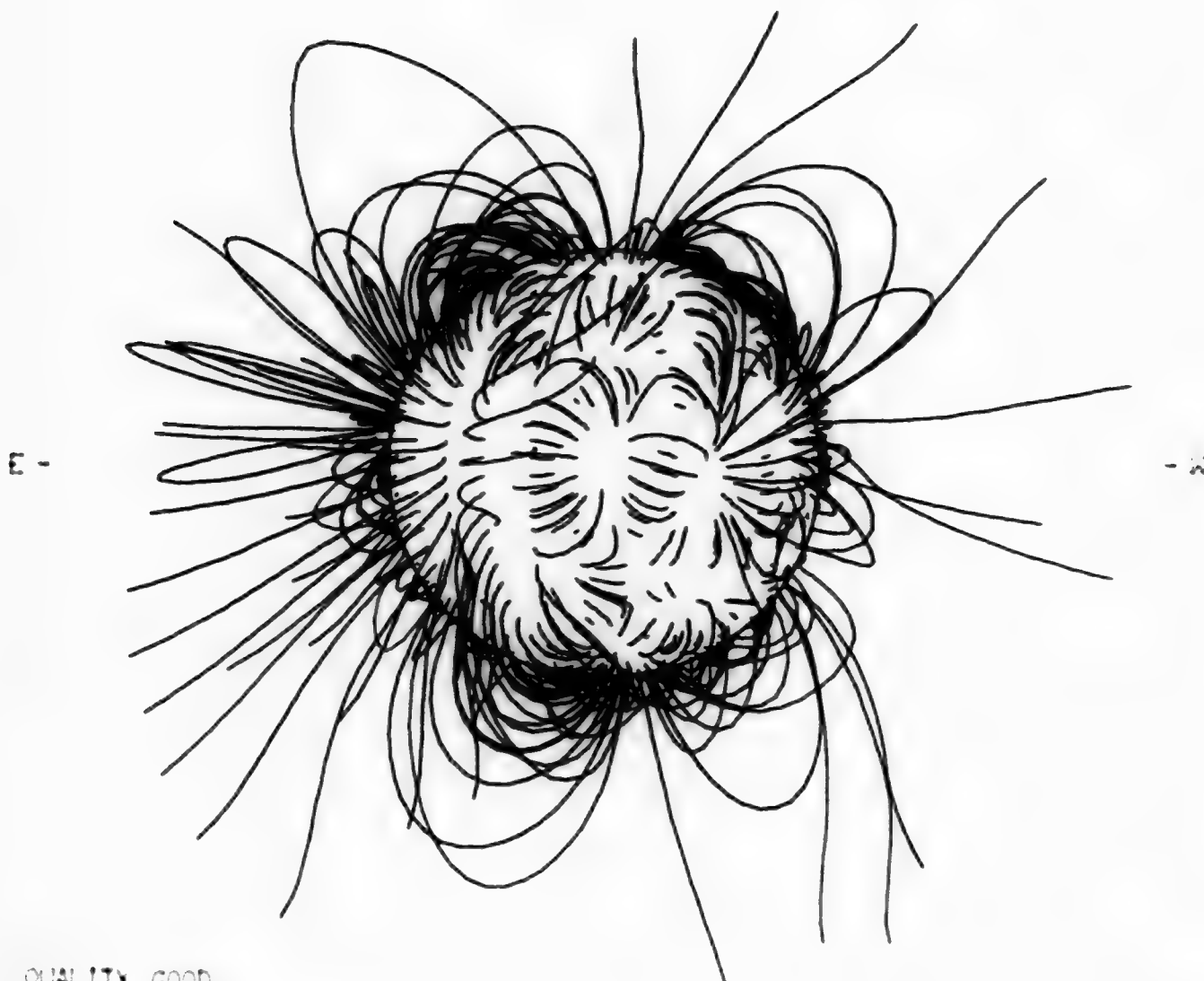


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1474.00

ROT. 1474 1076. 150°
 27.7 1107 1076

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

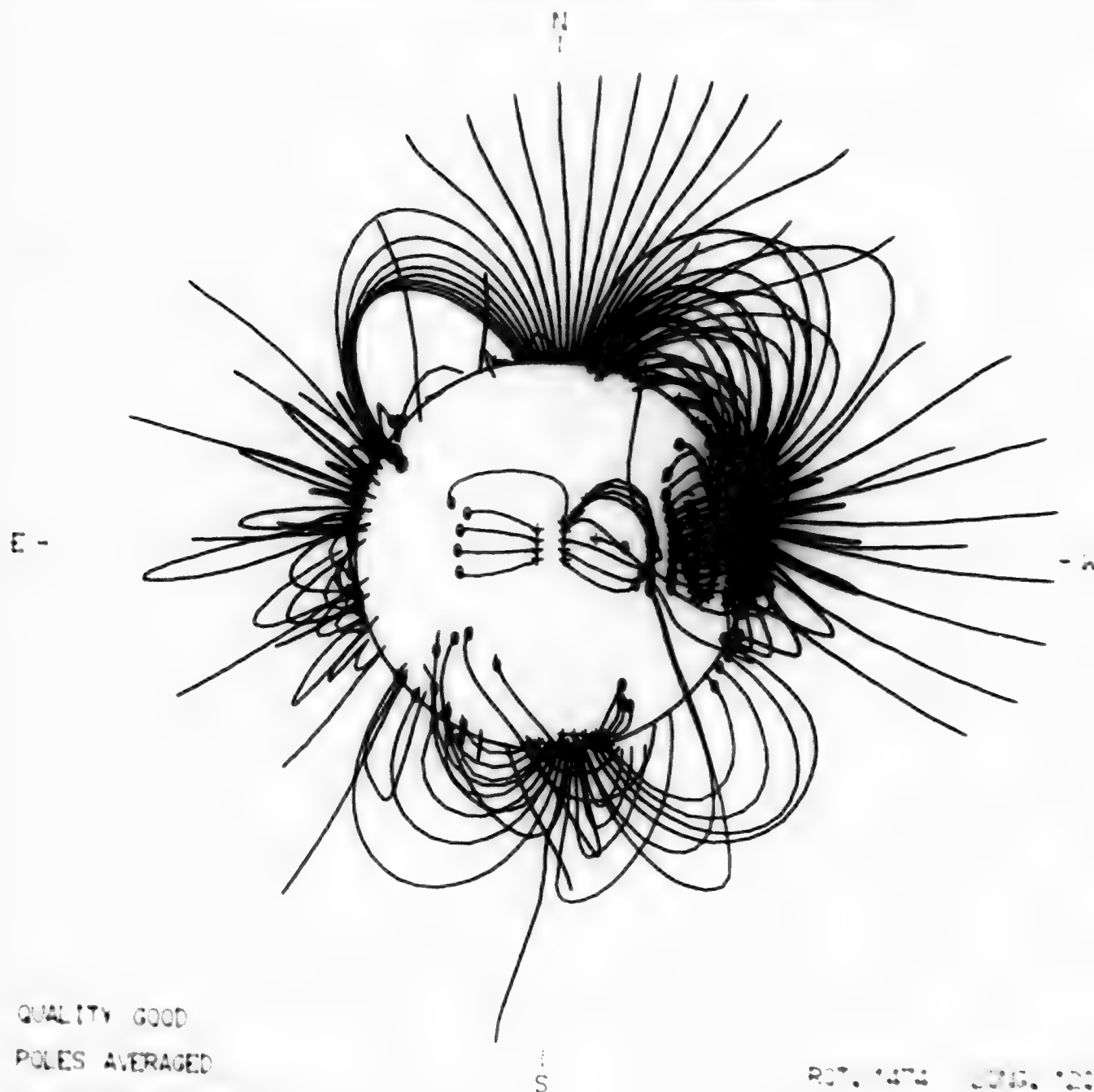
DATA WINDOW 1474.00

S

RCT. 1474 2016. 121

28.5 12.1 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



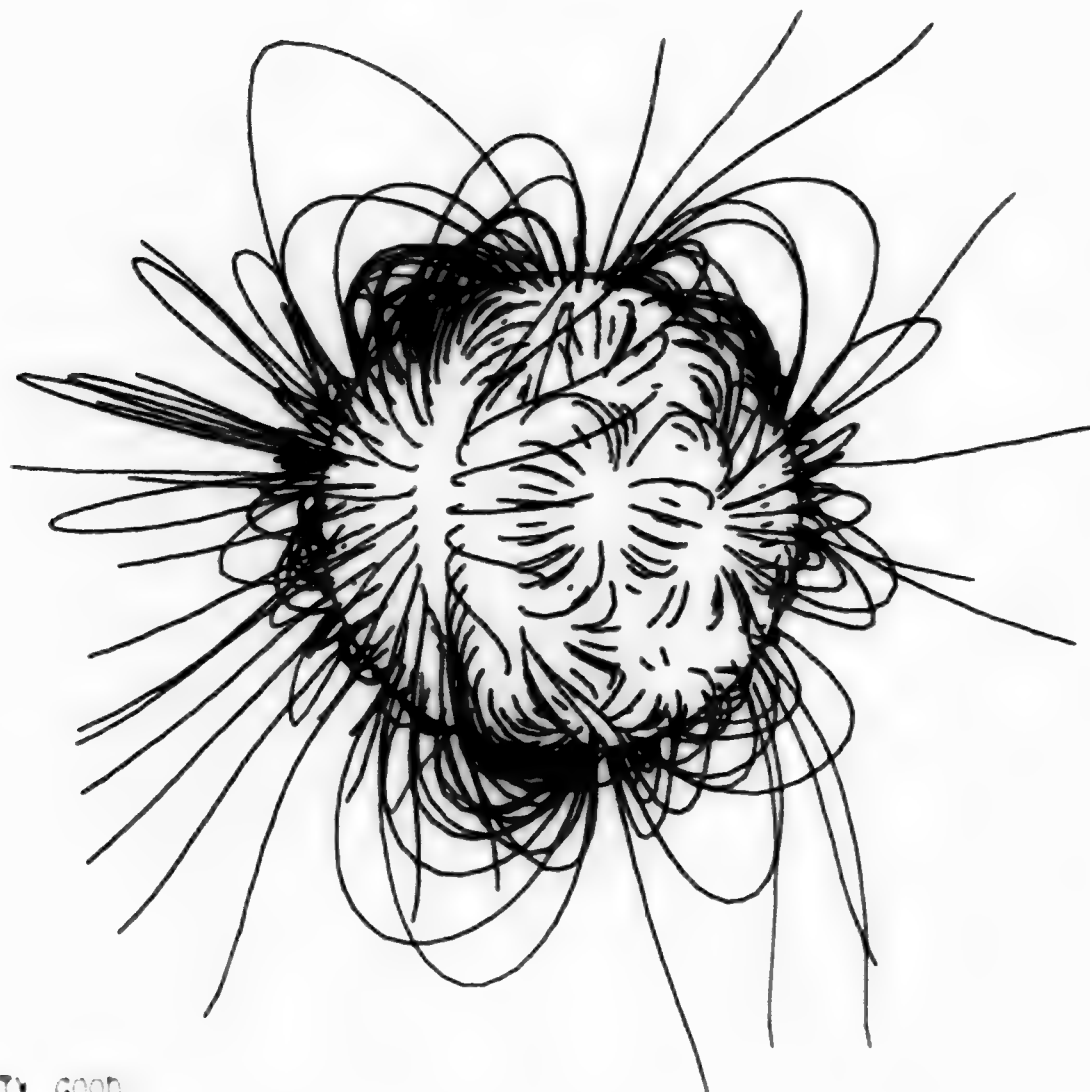
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.00

ROT. 1474 2016. 121°
28.5 10. 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

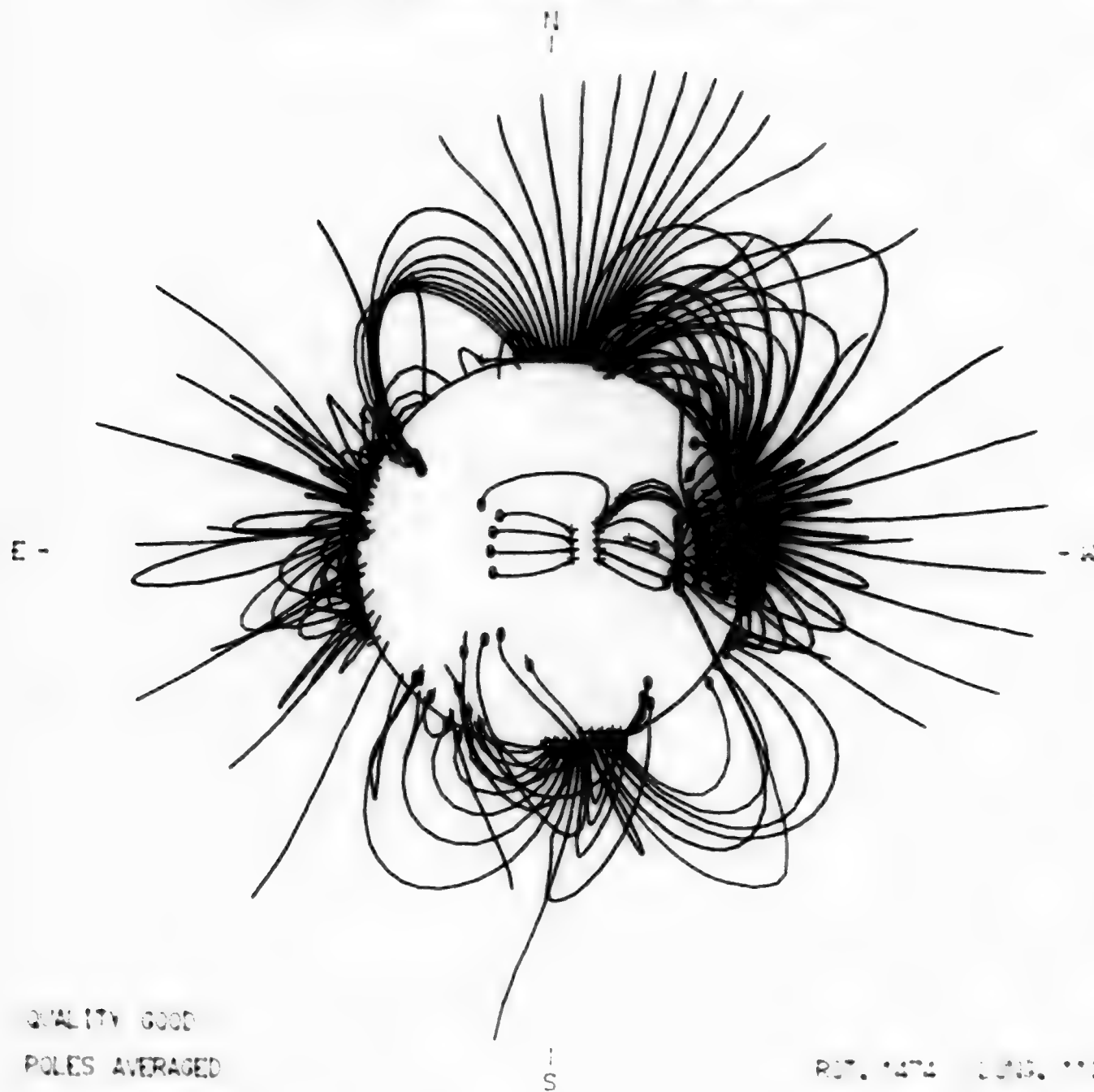
DATA WINDOW 1474.00

1
S

RUT. 1474 1010. 111

24.2 101. 1055

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1474.00

REF. 1474 1475 1476

29.2 10. 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

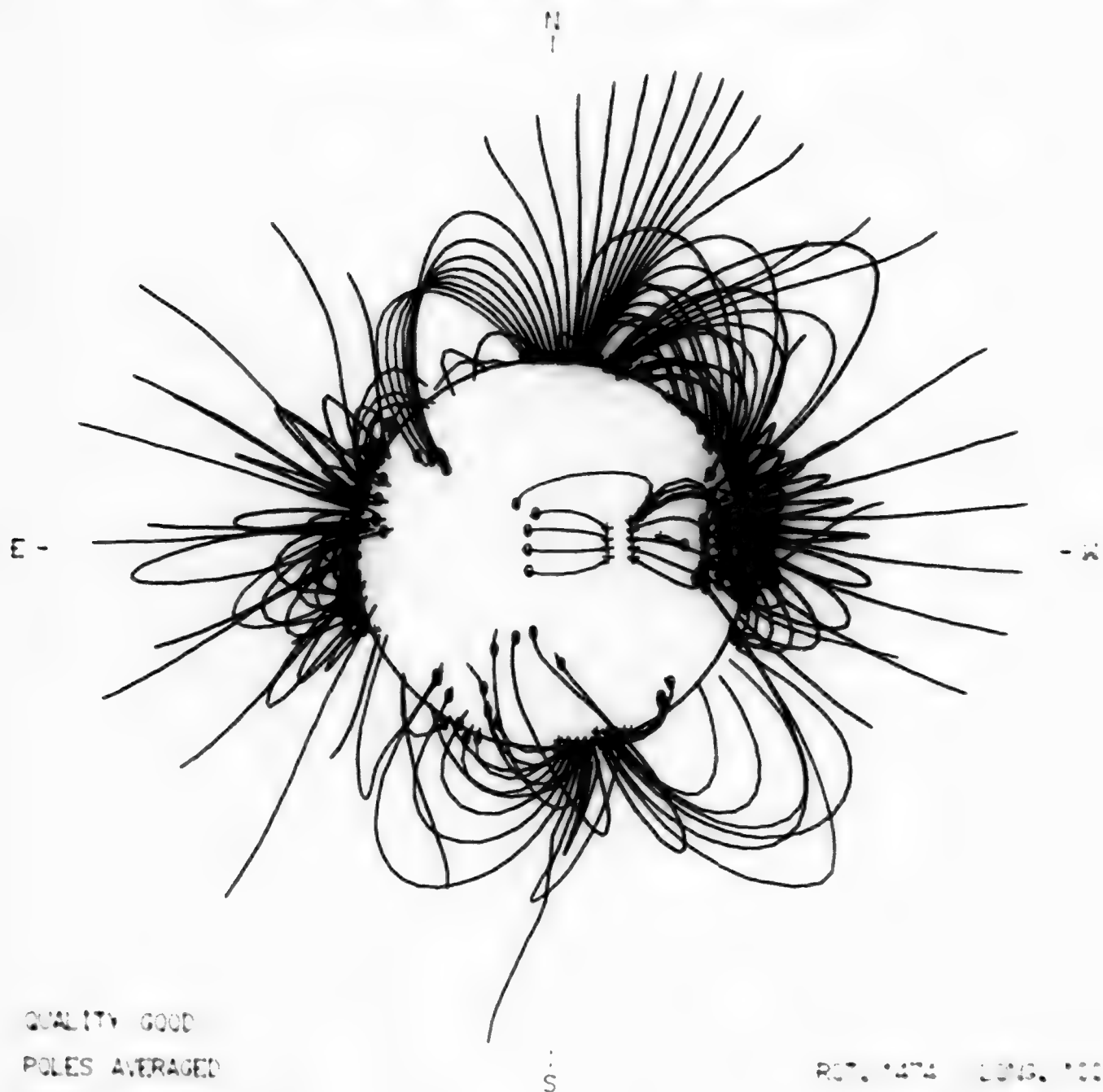
DATA WINDOW 1474.00

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S

ROT. 1474 LONG. 100°

30.0 10. 1985

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

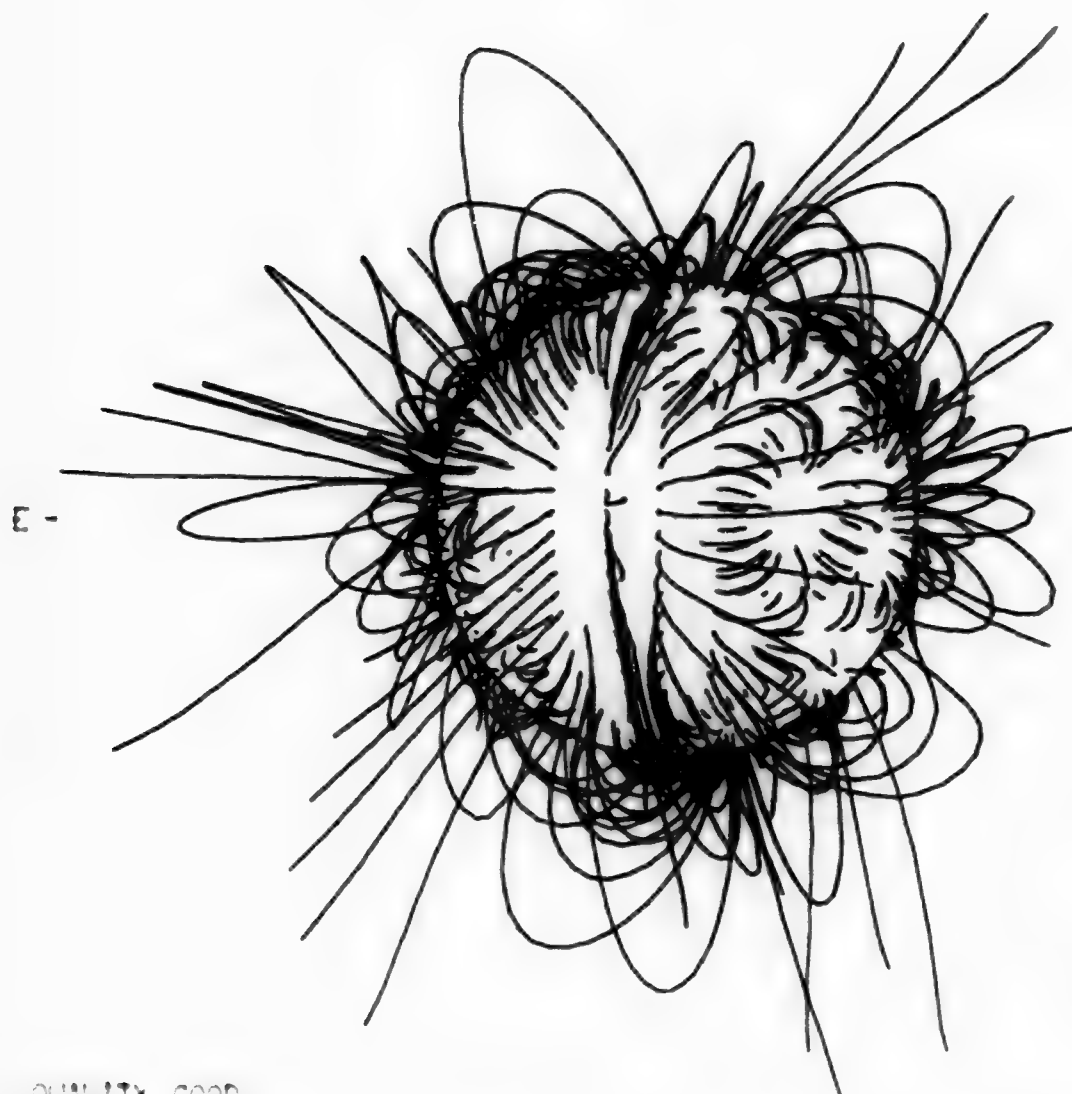
POLES AVERAGED

DATA WINDOW 1474.00

REF. 1474 1000.00

30.0 100 1000

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

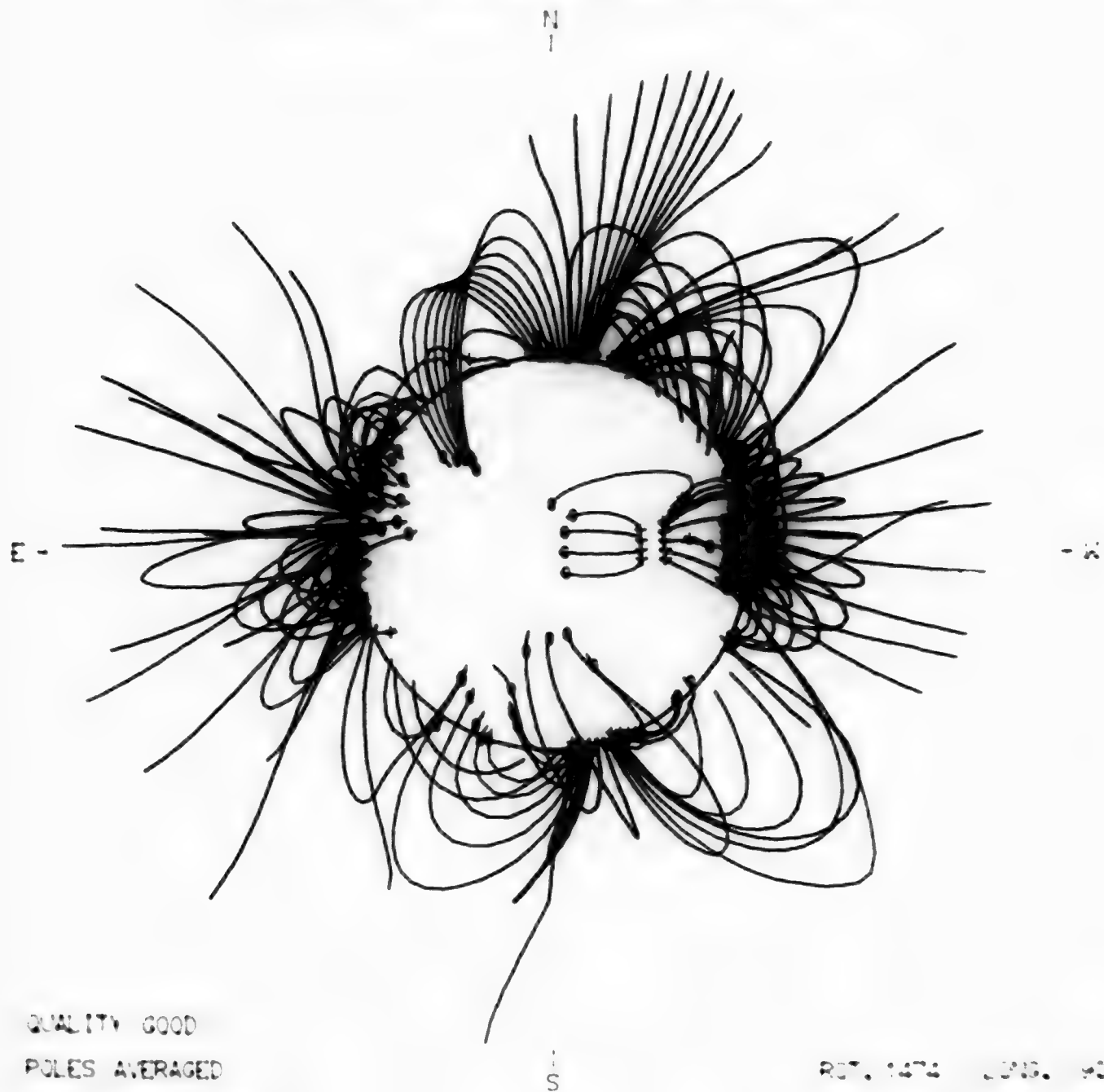
DATA WINDOW 1474.00

S

RCT. 1474 LONG. 90°

30.7 NO. 1985

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

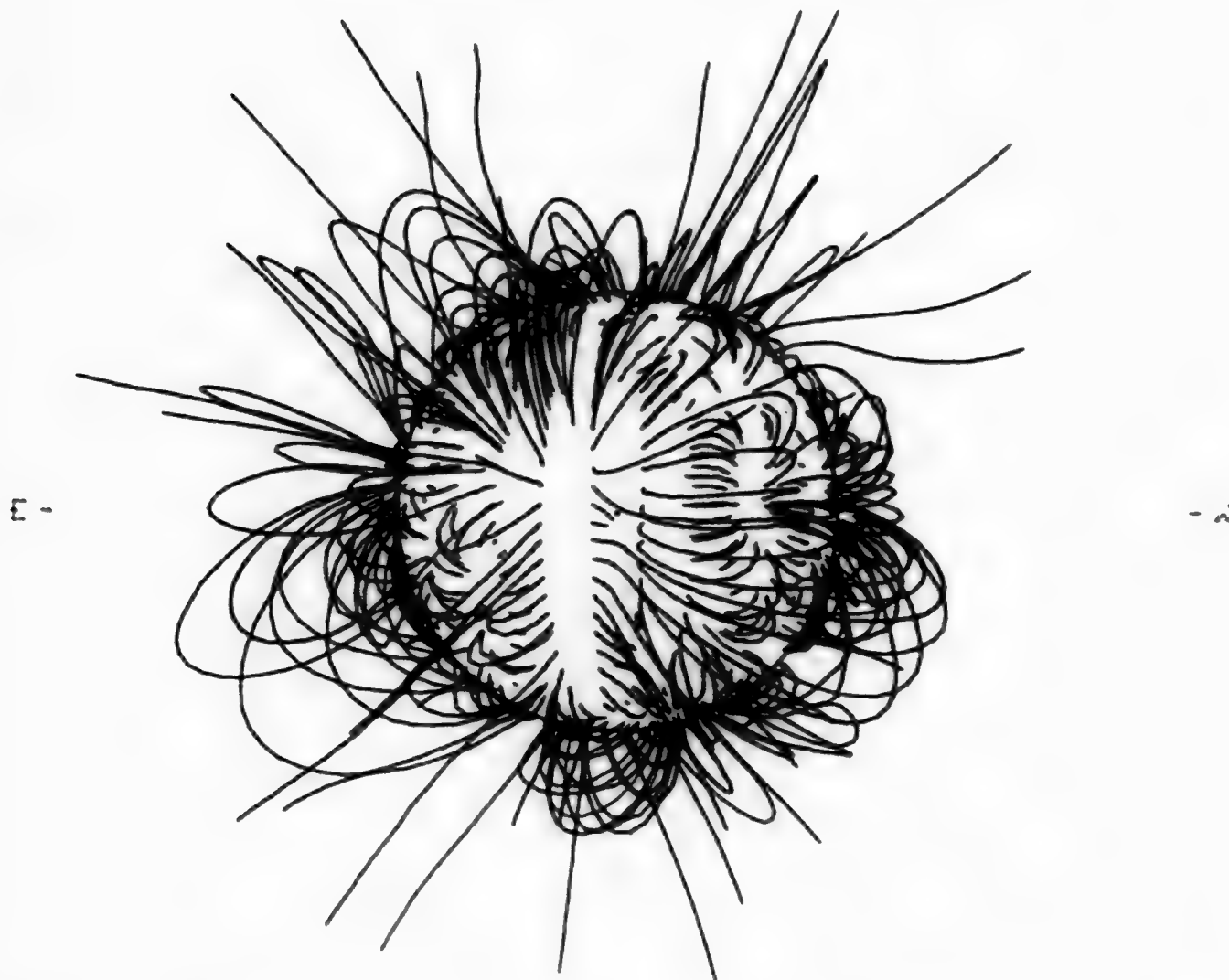
DATA WINDOW 1474.00

ROT. 1474 LONG. 90°

30.7 NOV 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY GOOD

POLES AVERAGE

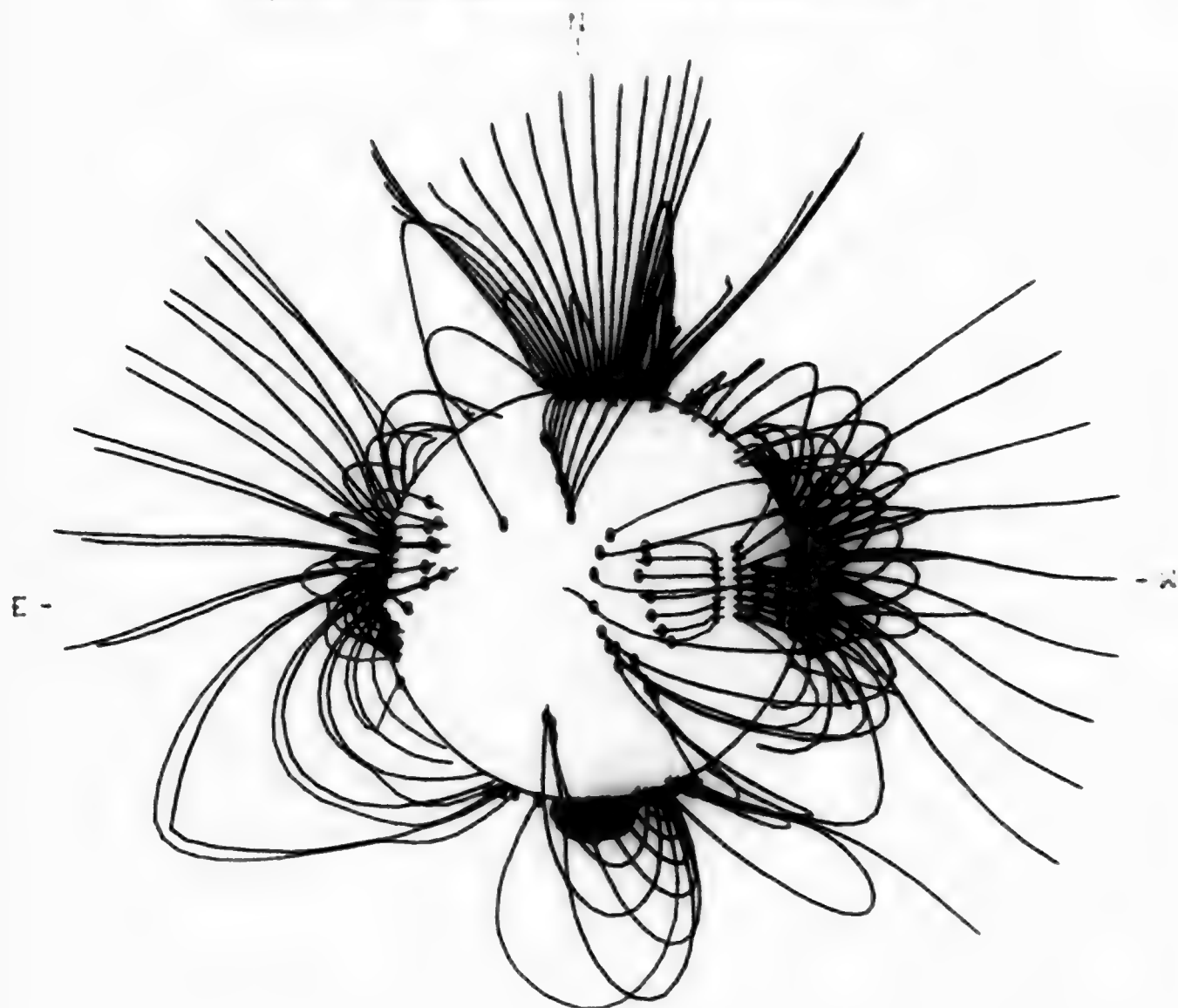
DATA WINDOW 1474.44

S

RUT. 1474 JUN. 60

1.5 SE. 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

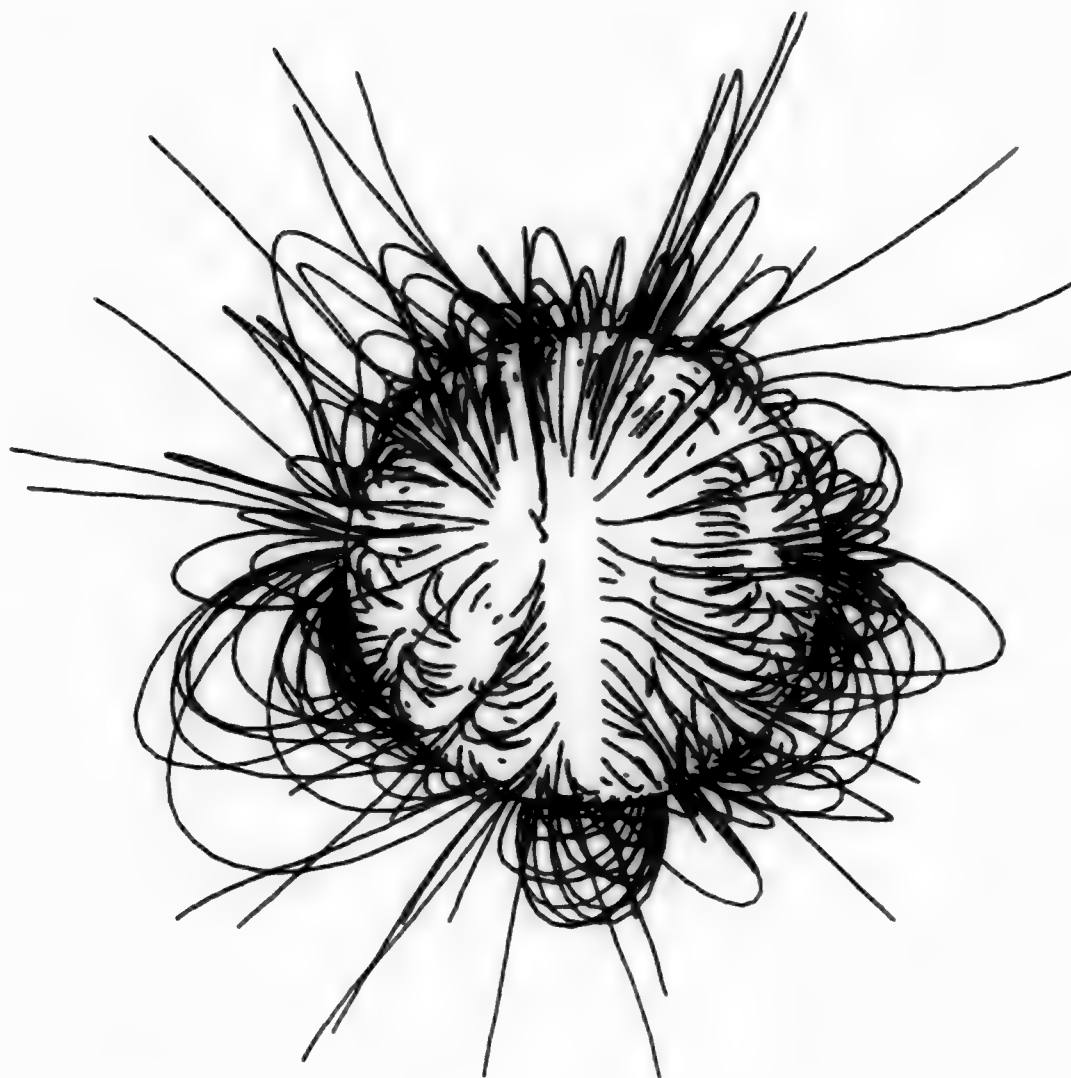


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1974.00

1
 S

RUT. 1974 0000.00
 1.5 DEC 1973

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

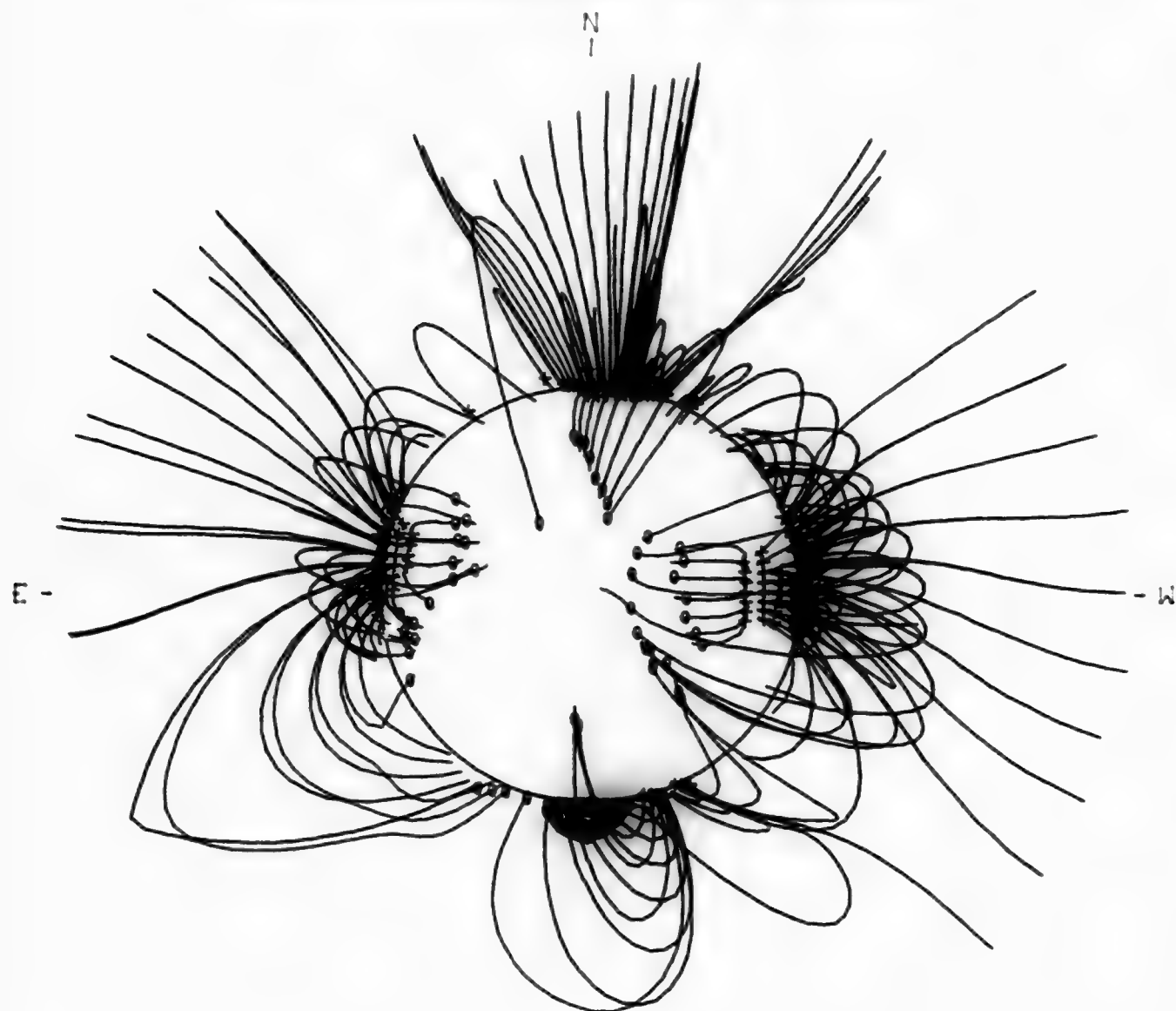


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.44

1
S

RUT. 1474 2016. 70°
2.3 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1474.44

! S

RUT. 1474 LONG. 70°

2.5 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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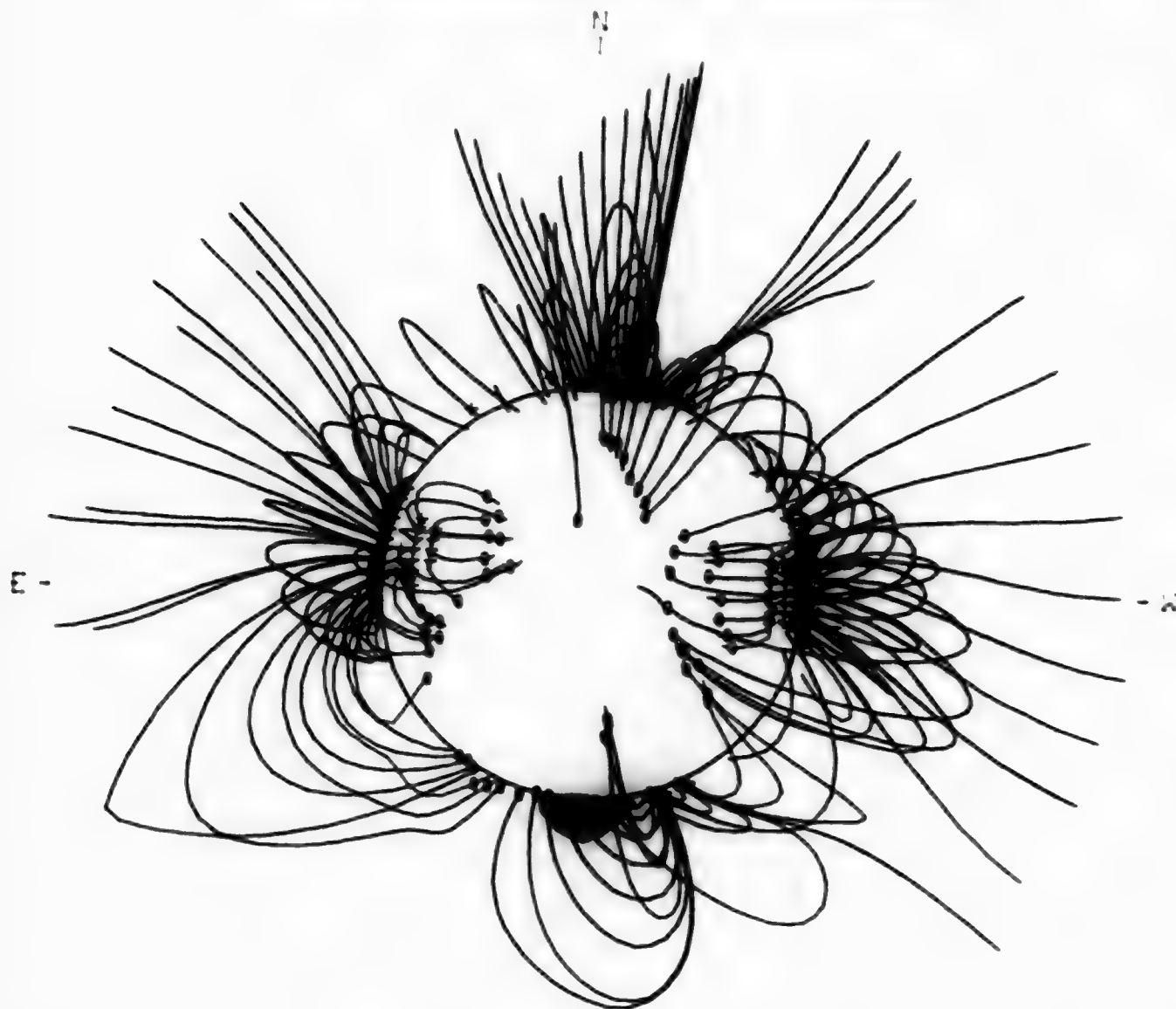
- W

QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.44

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S

ROT. 1474 LONG. 50°
3.0 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

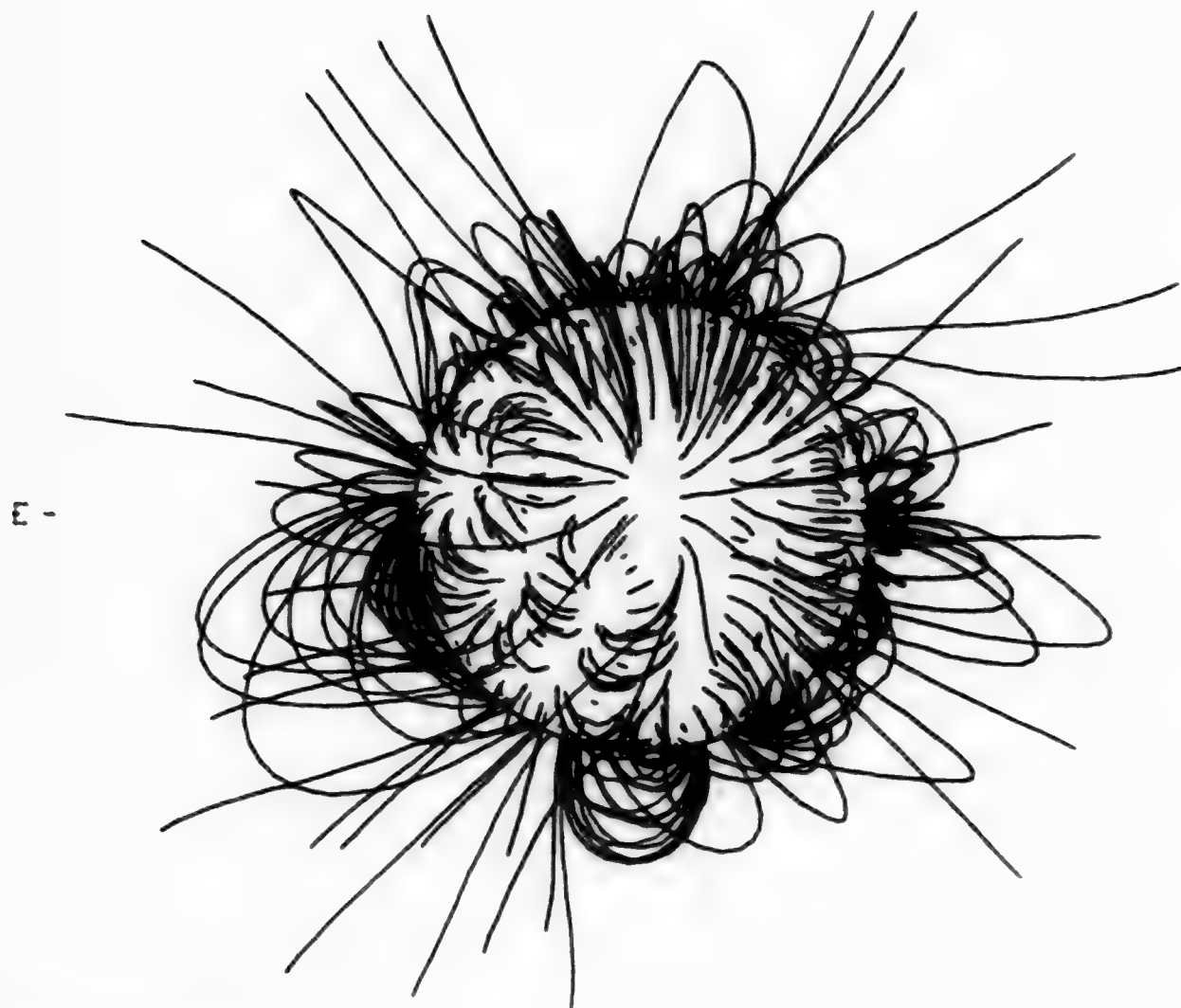
DATA WINDOW 1474.44

1
S

ROT. 1474 LONG. 80°

3.0 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

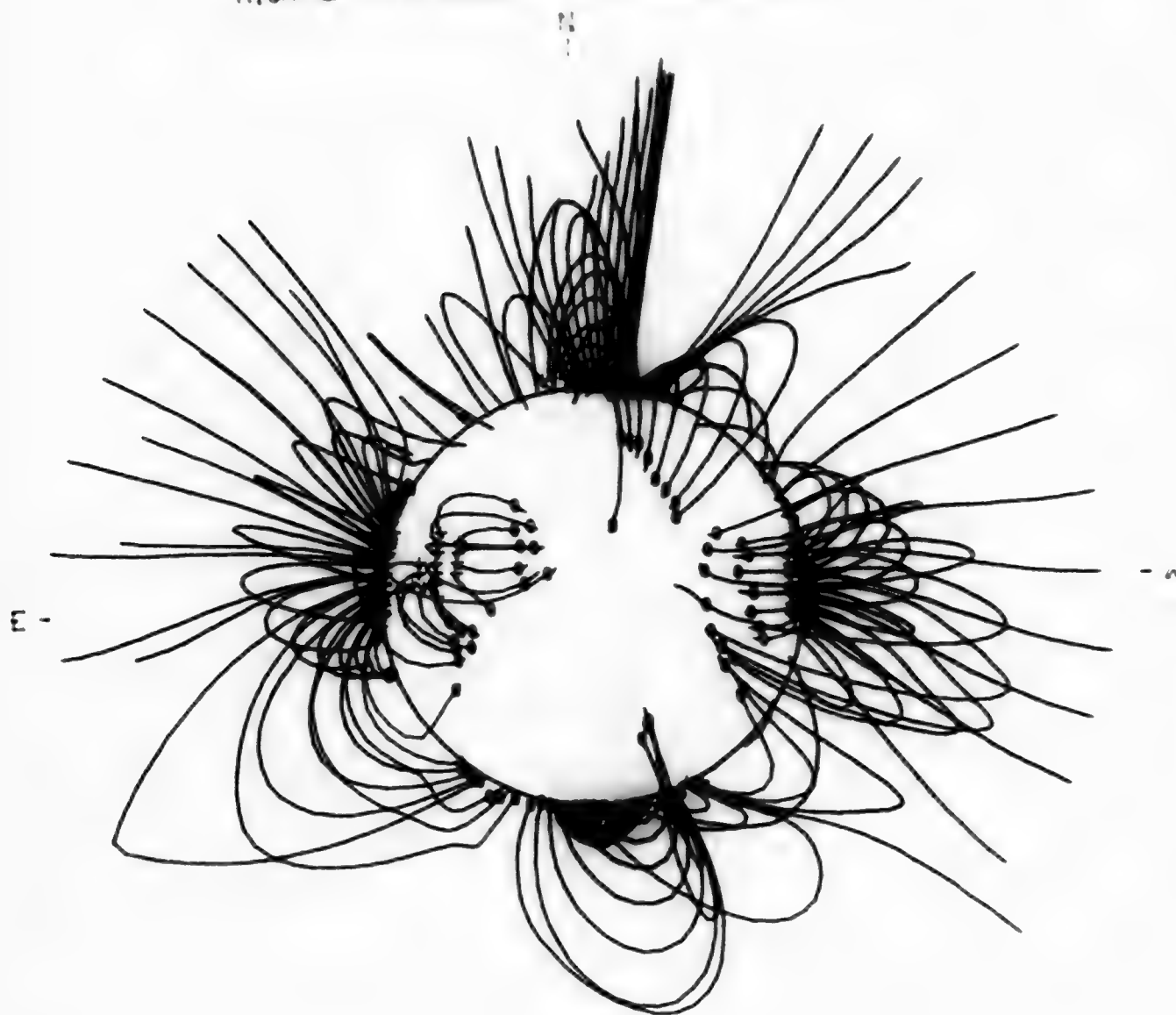
DATA WINDOW 1474.44

S

ROT. 1474 1015. 50°

3.8 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



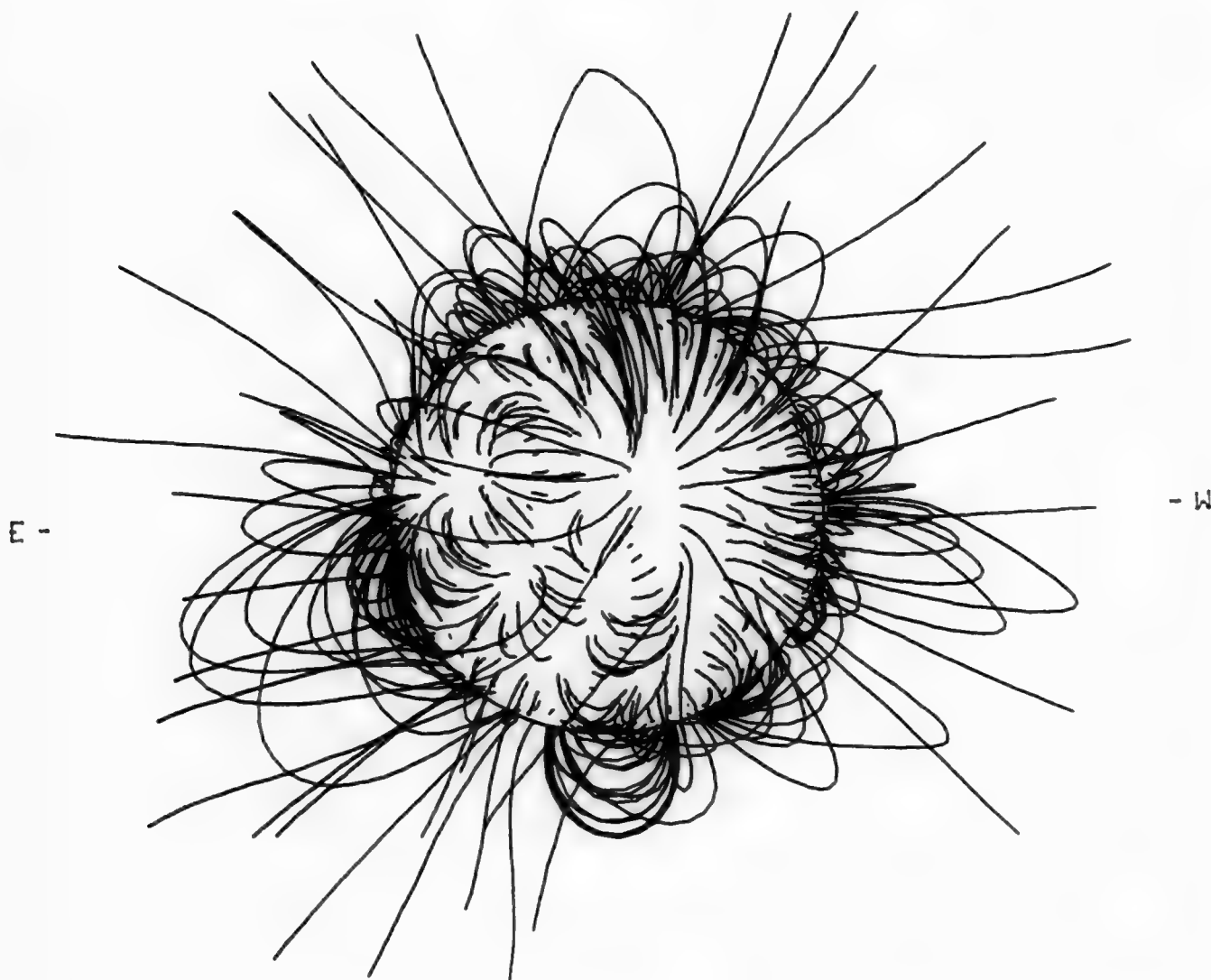
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.574.44

S

ROT. 1.574 LONG. 50°
3.8 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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I



QUALITY GOOD

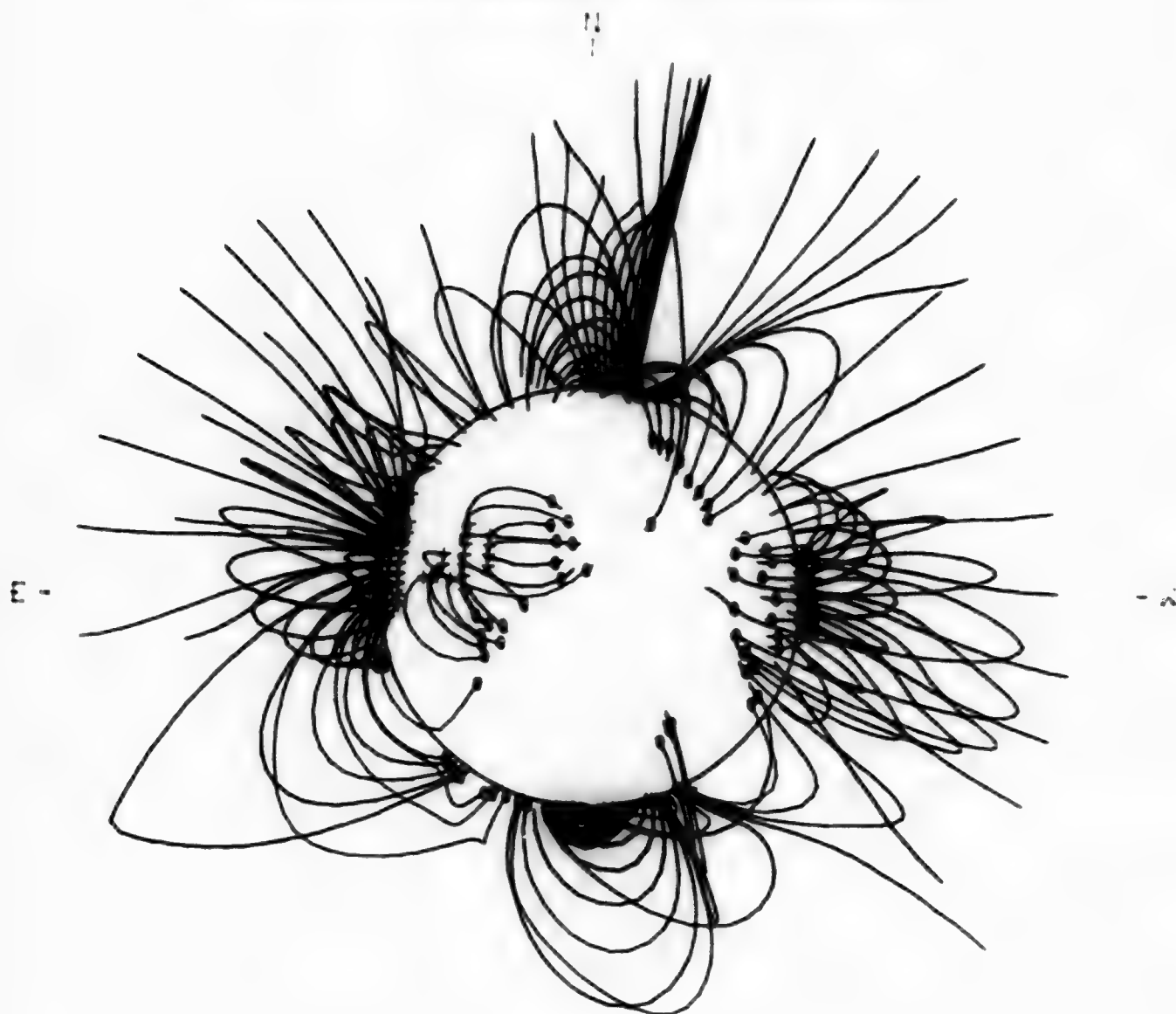
POLES AVERAGED

DATA WINDOW 1474.44

I
S

ROT. 1474 LONG. 40°
4.5 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1474.44

1
S

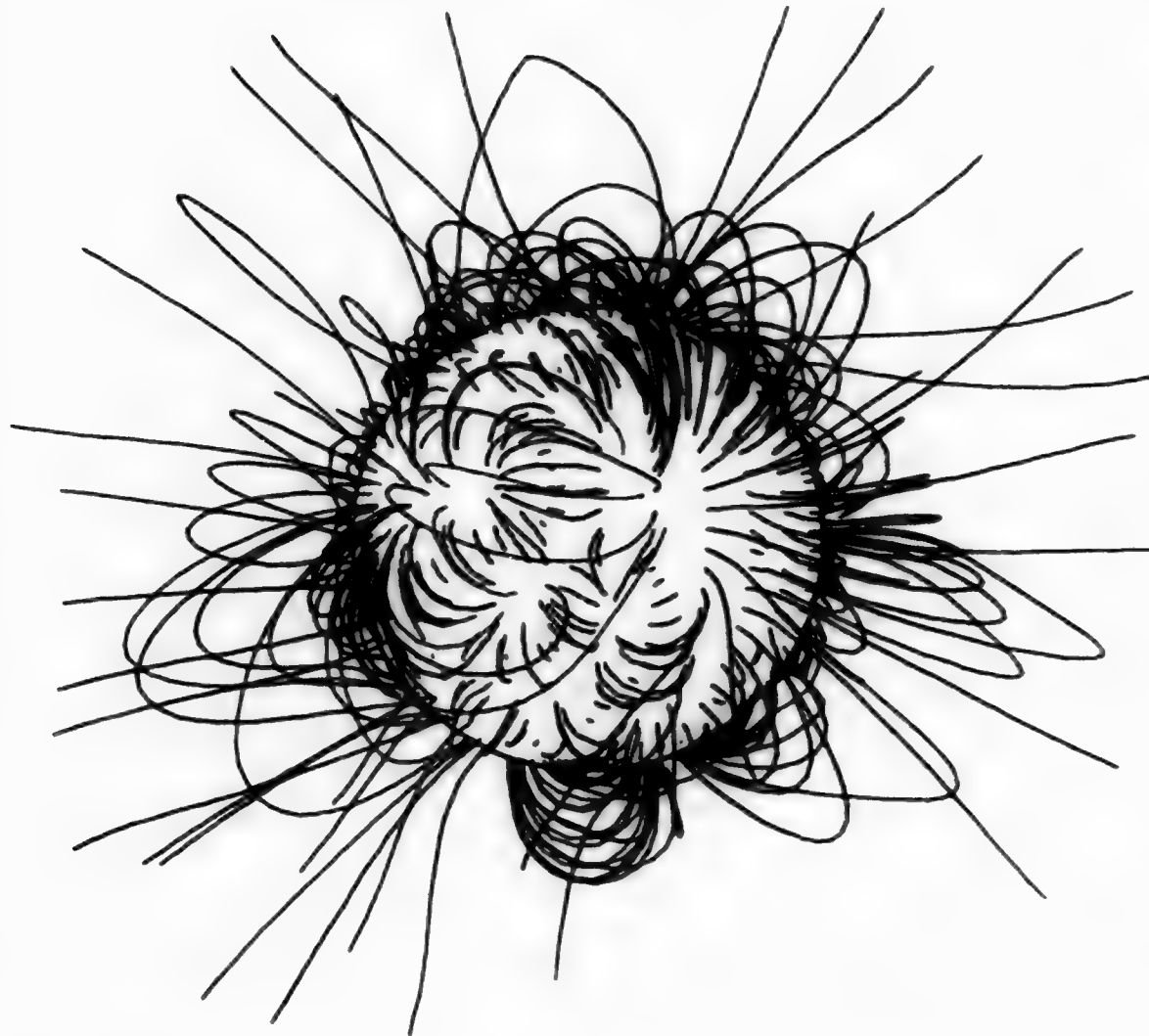
RUT. 1474 2010. 41°

4.5 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

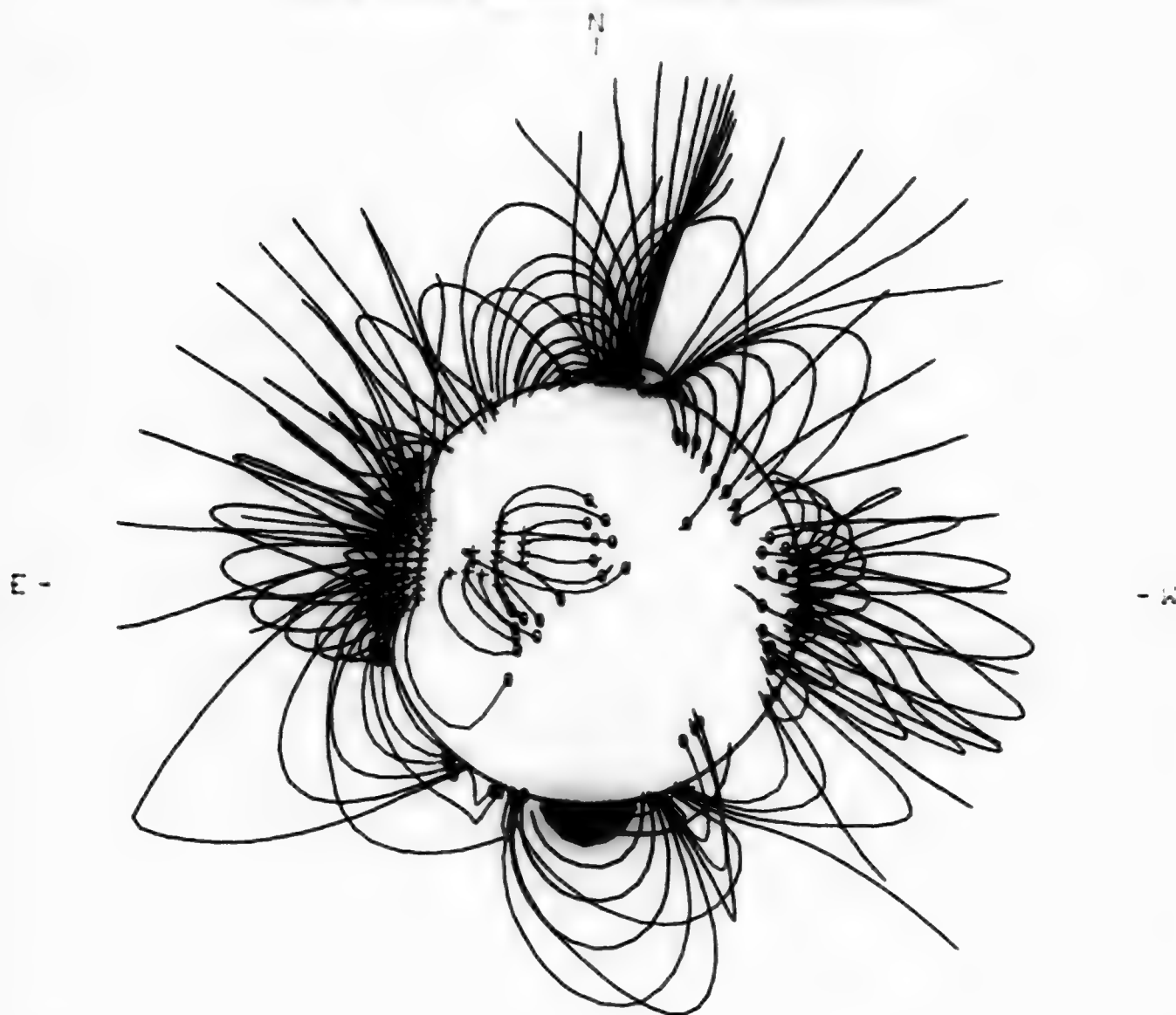
DATA WINDOW 1474.44

I
S

ROT. 1474 1016. 30°

5.3 DEC 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

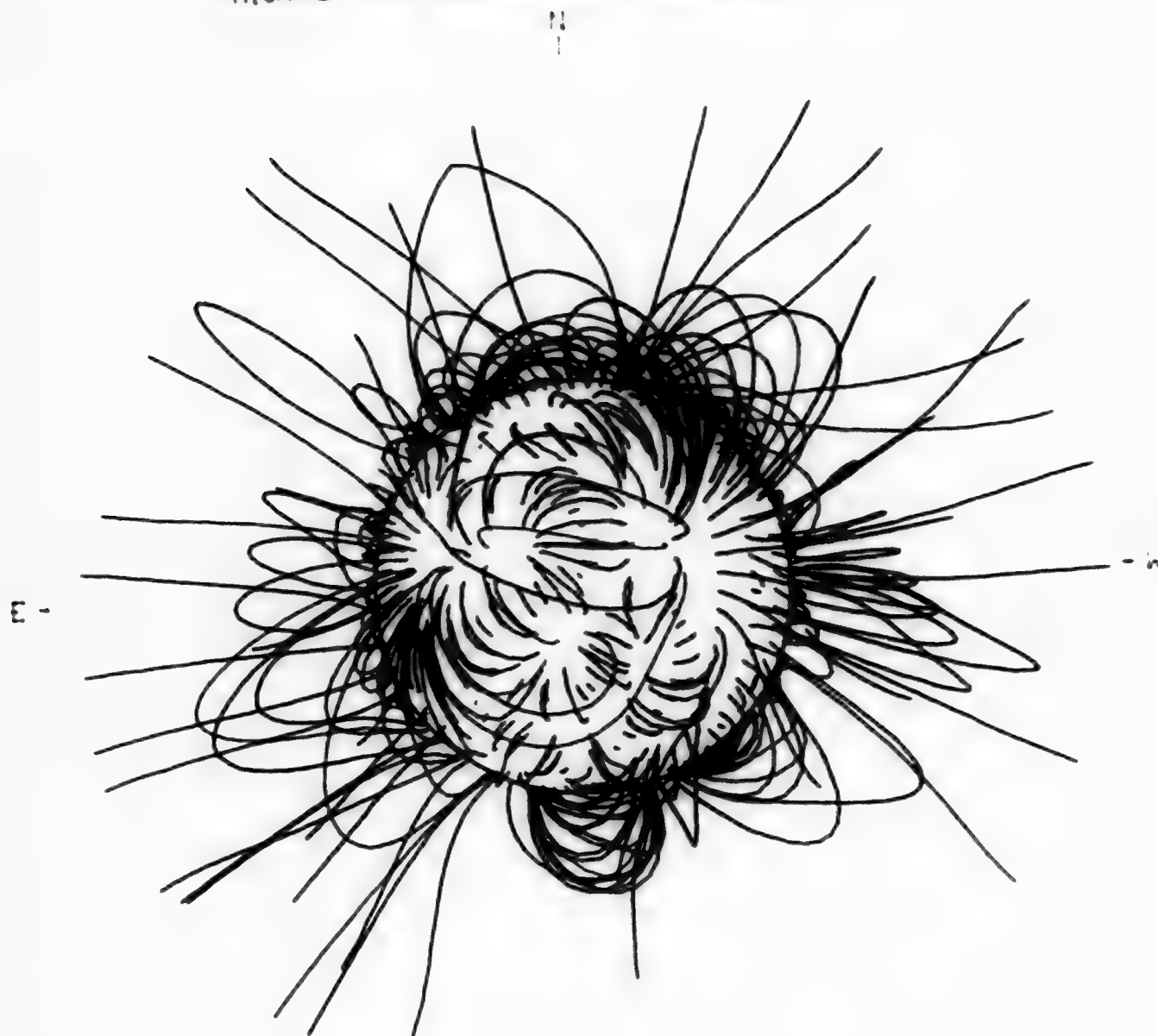
DATA WINDOW 1474.44

S

ROT. 1474 LONG. 30°

5.3 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

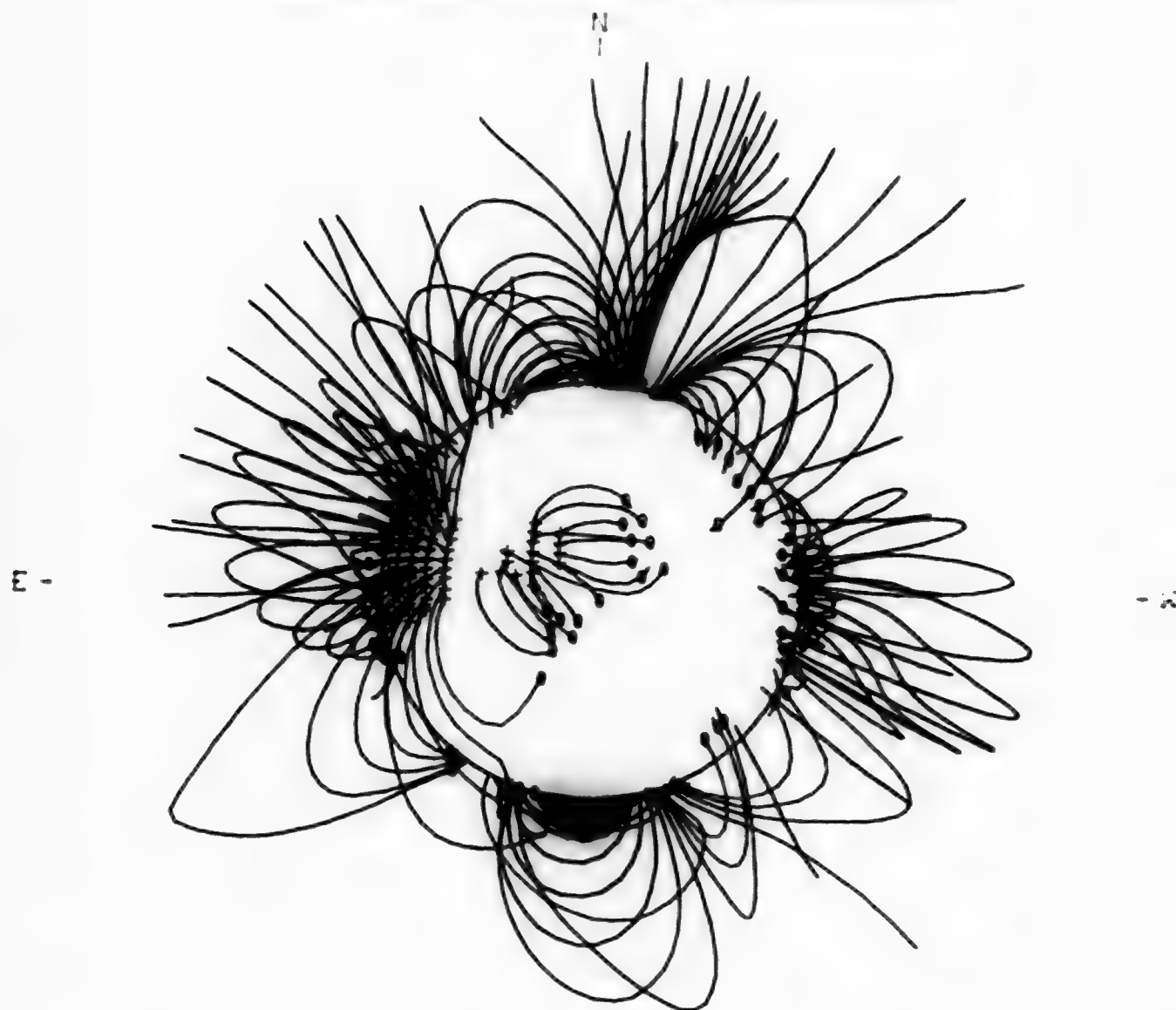


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1471.44

1
S

ROT. 1471 LONG. 21°
6.1 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1474.44

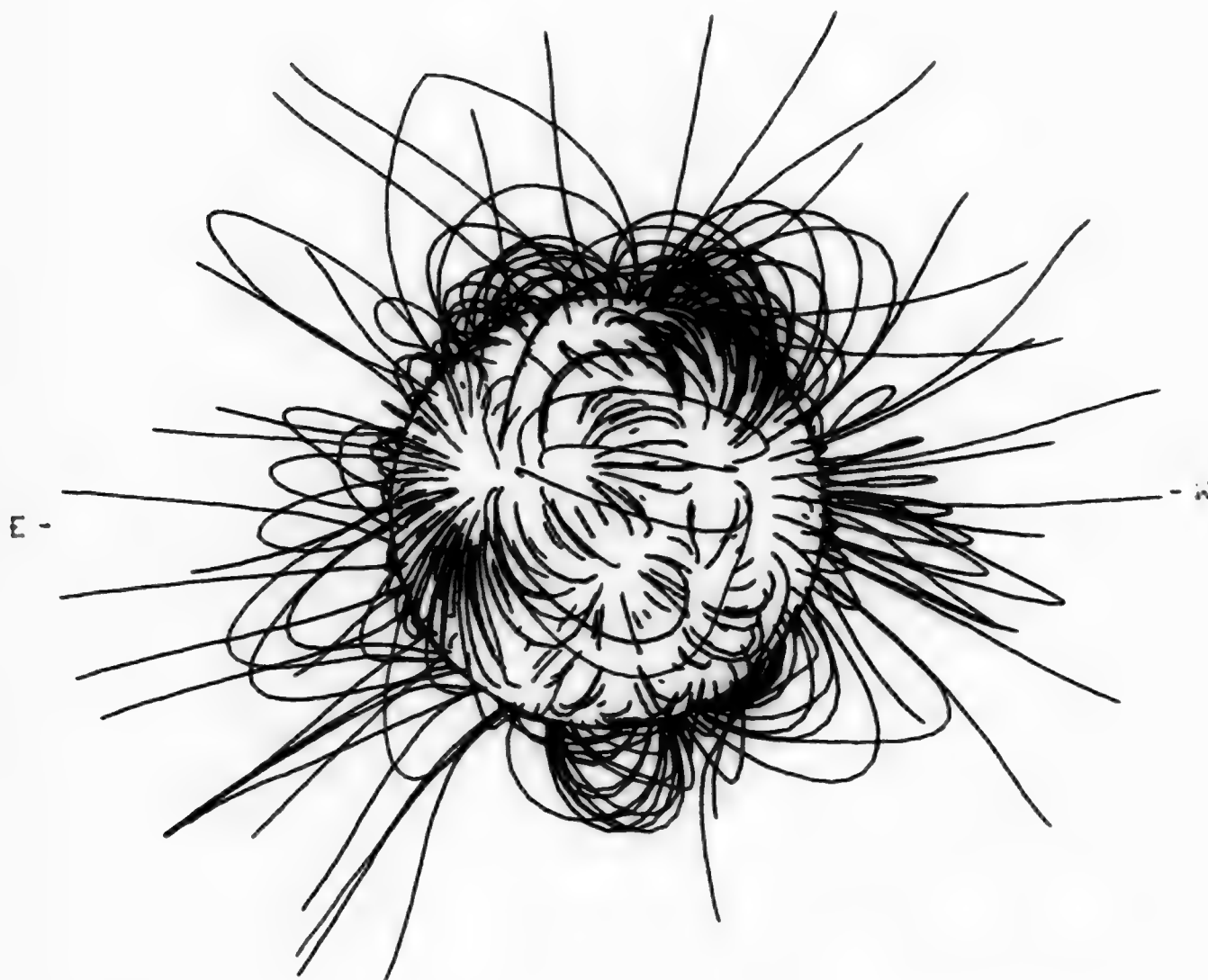
1
S

ROT. 1474 2016. 21°

6.1 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I



QUALITY GOOD

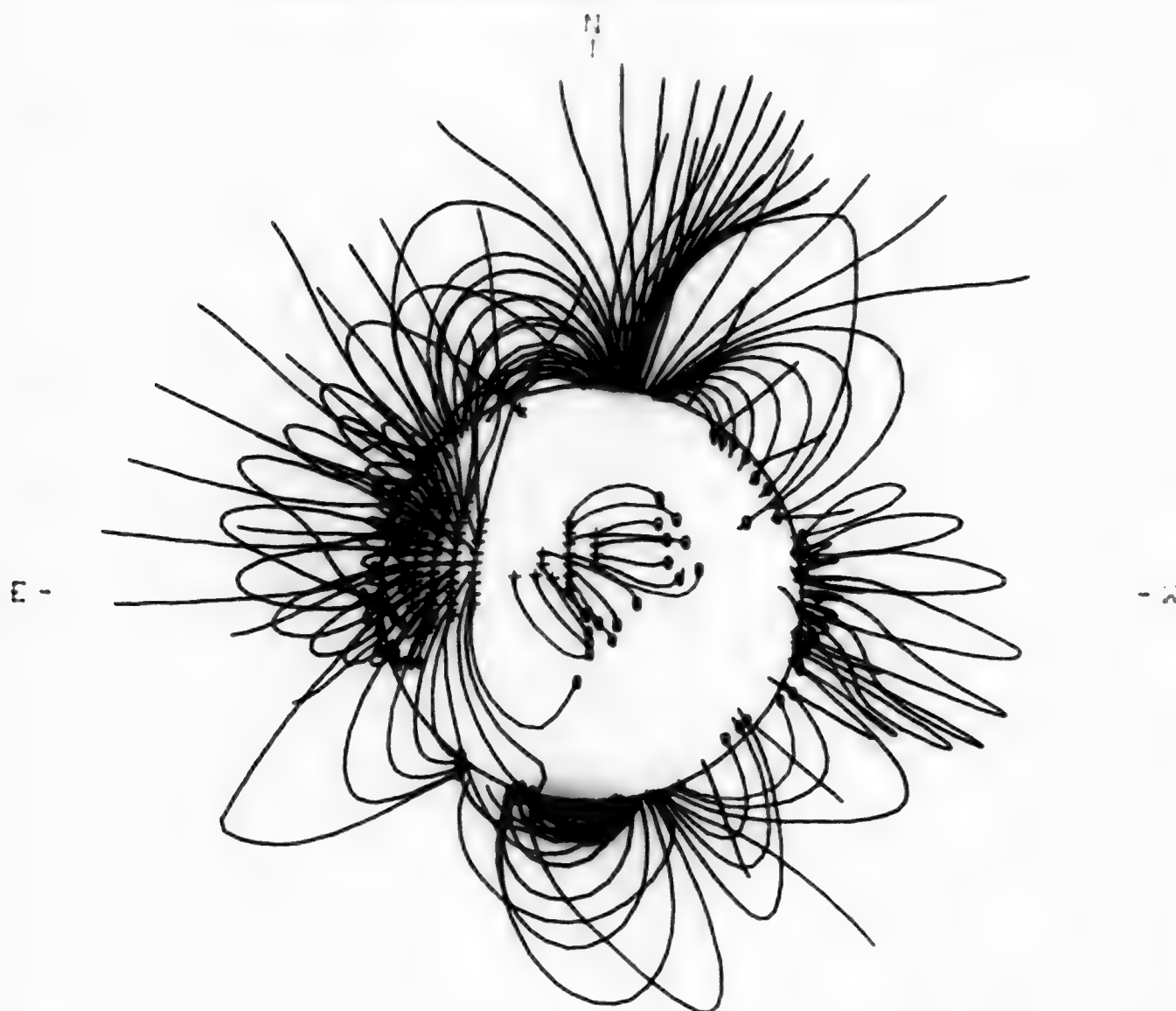
POLES AVERAGED

DATA WINDOW 1.074,44

S

ROT. 1474 2013. 11°
6.8 DEC 1955

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

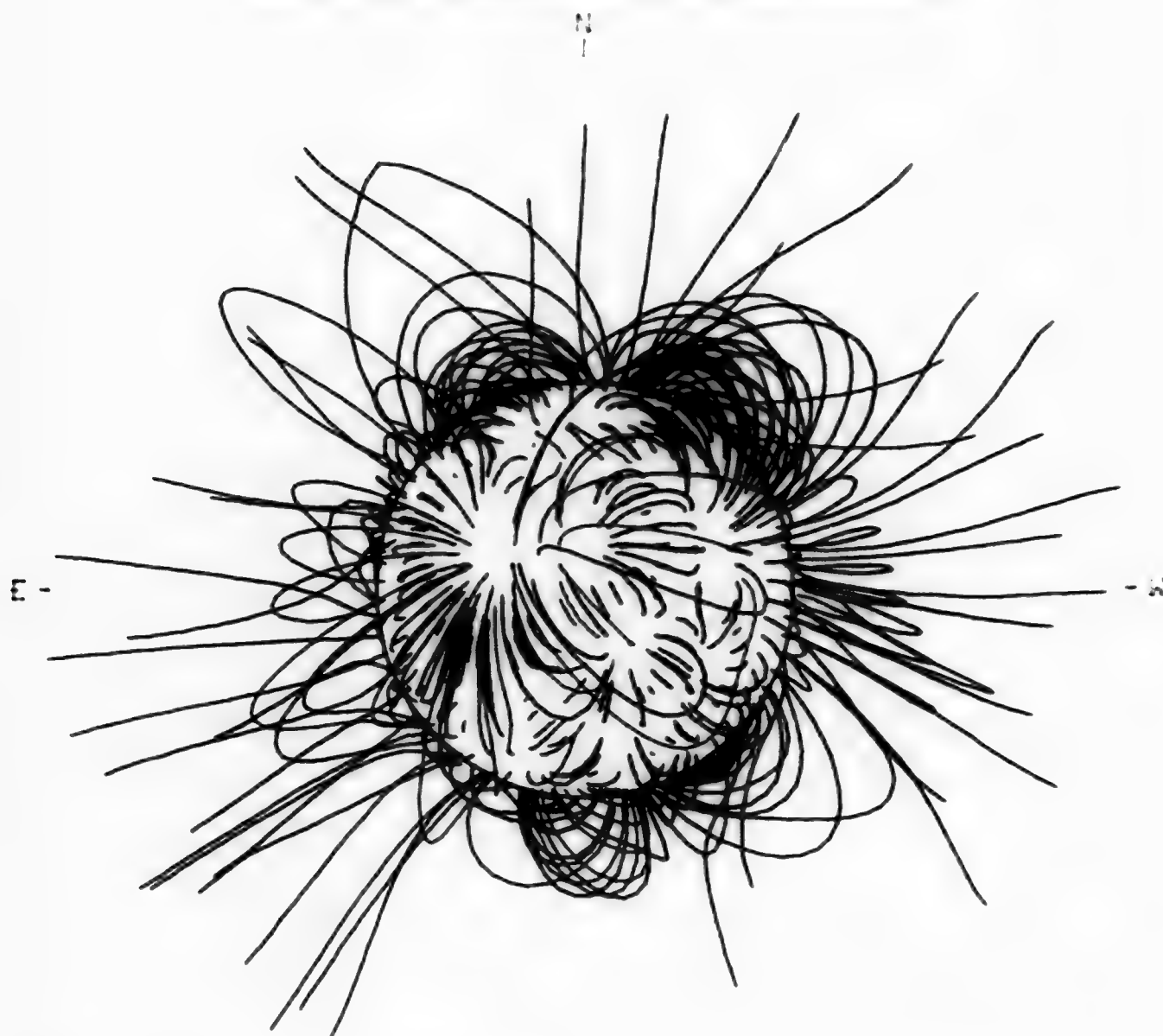
DATA WINDOW 1474.44

S

ROT. 1474 1474.44

6.8 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

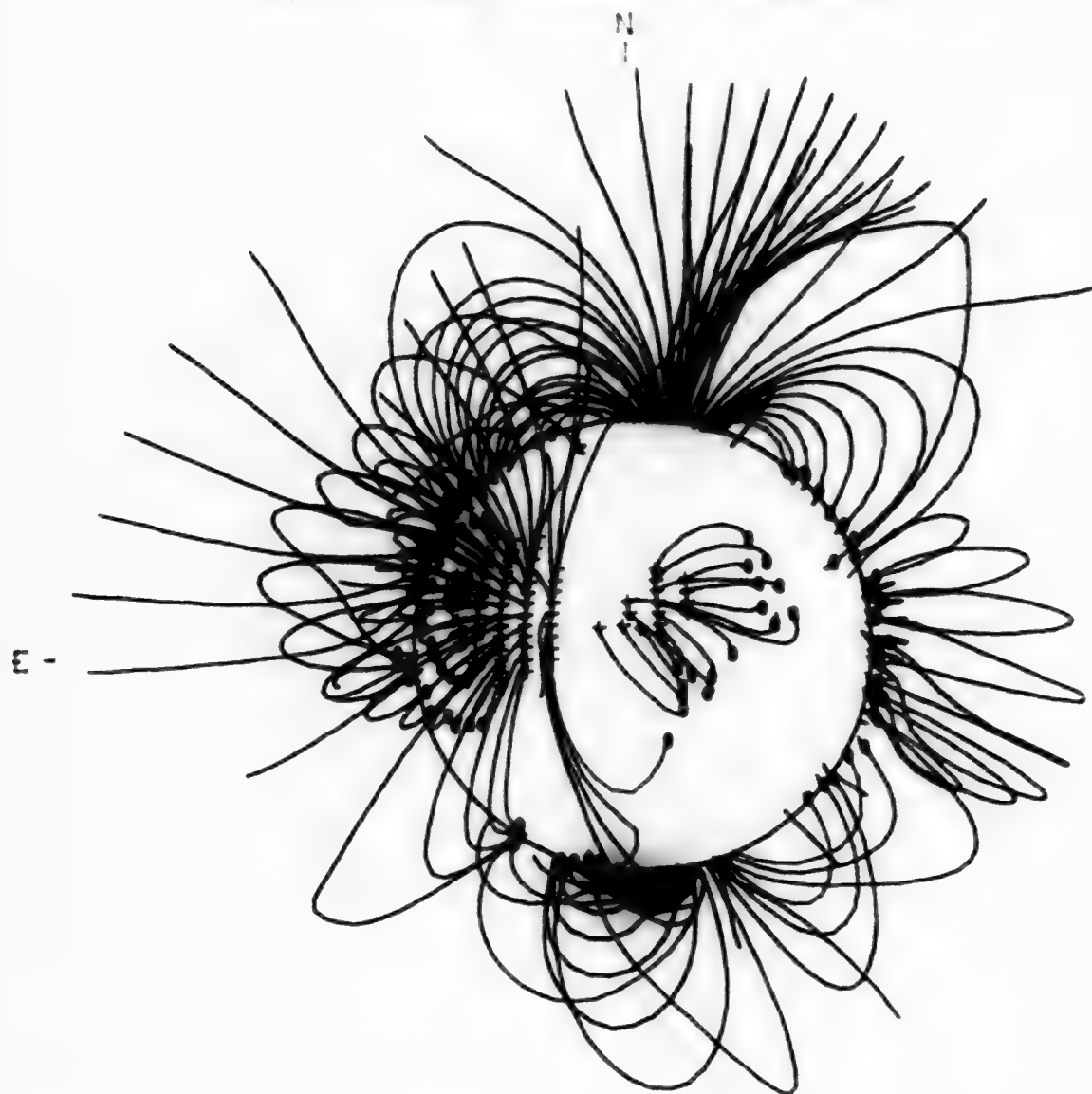
DATA WINDOW 1474.44

S

ROT. 1474 1015. 1°

7.6 DEC 1985

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

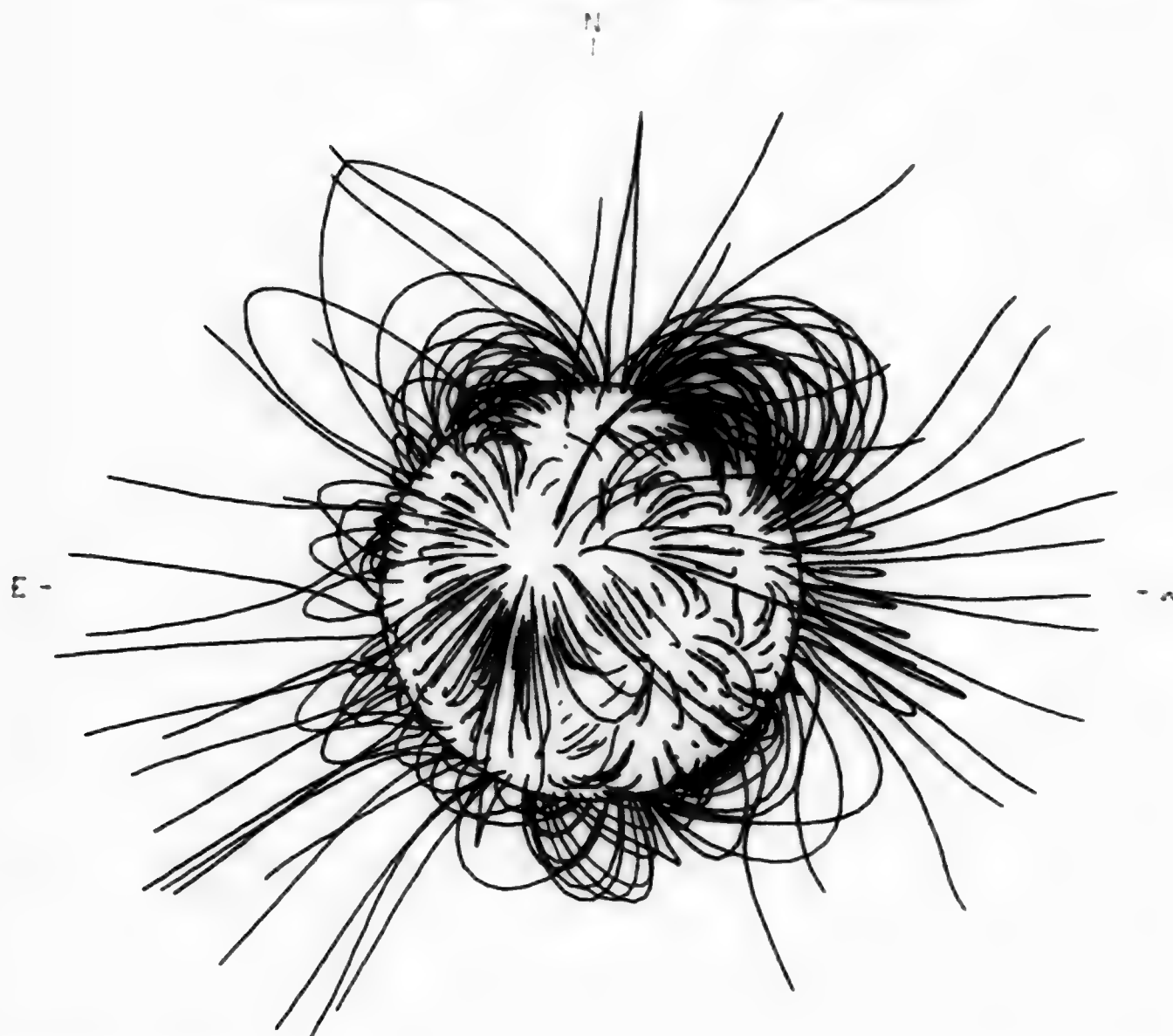


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.44

1
S

RUT. 1474 10/16. 10
7.6 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

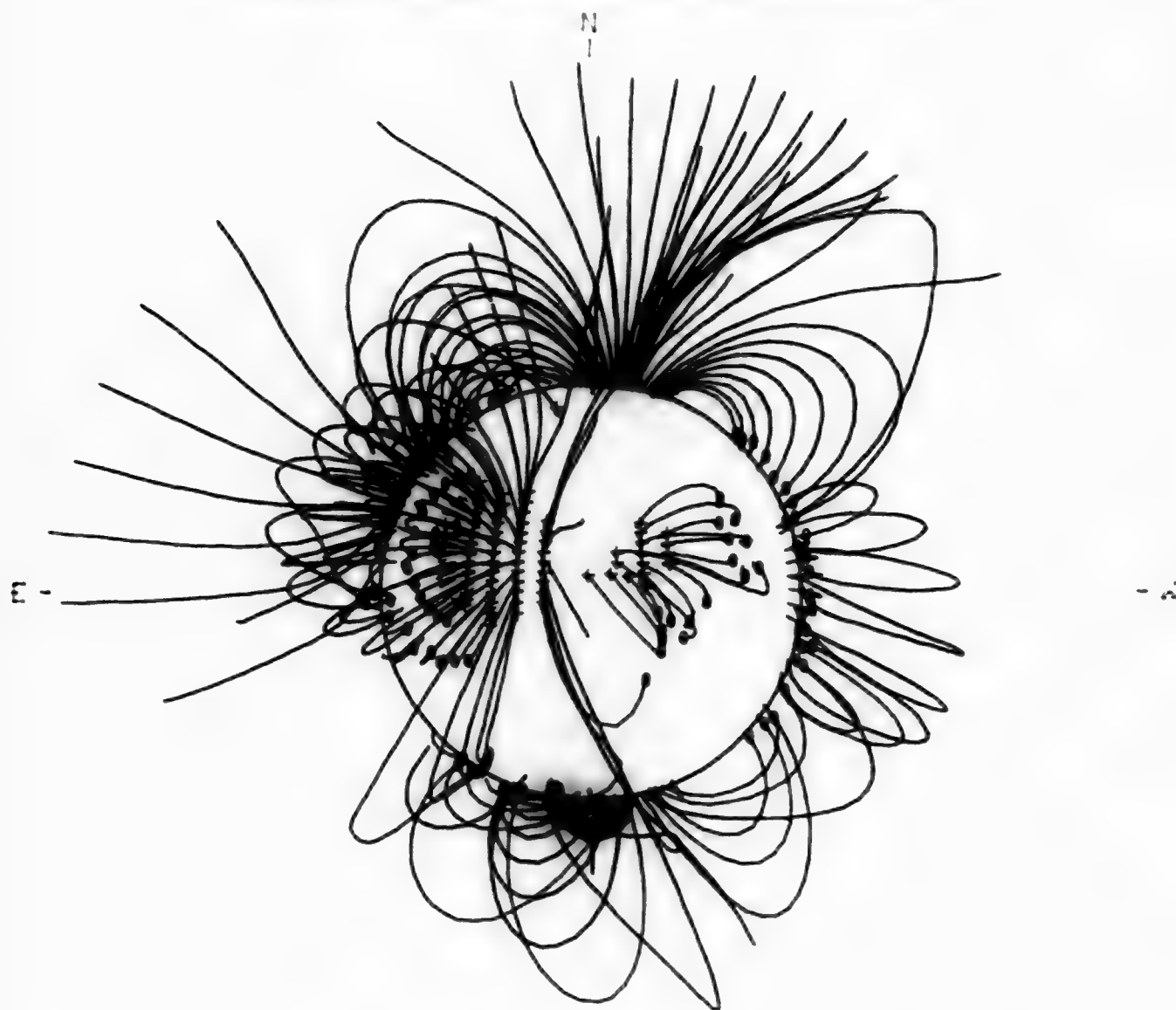
DATA WINDOW 1474.44

S

ROT. 1475 LONG. 350°

8.3 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

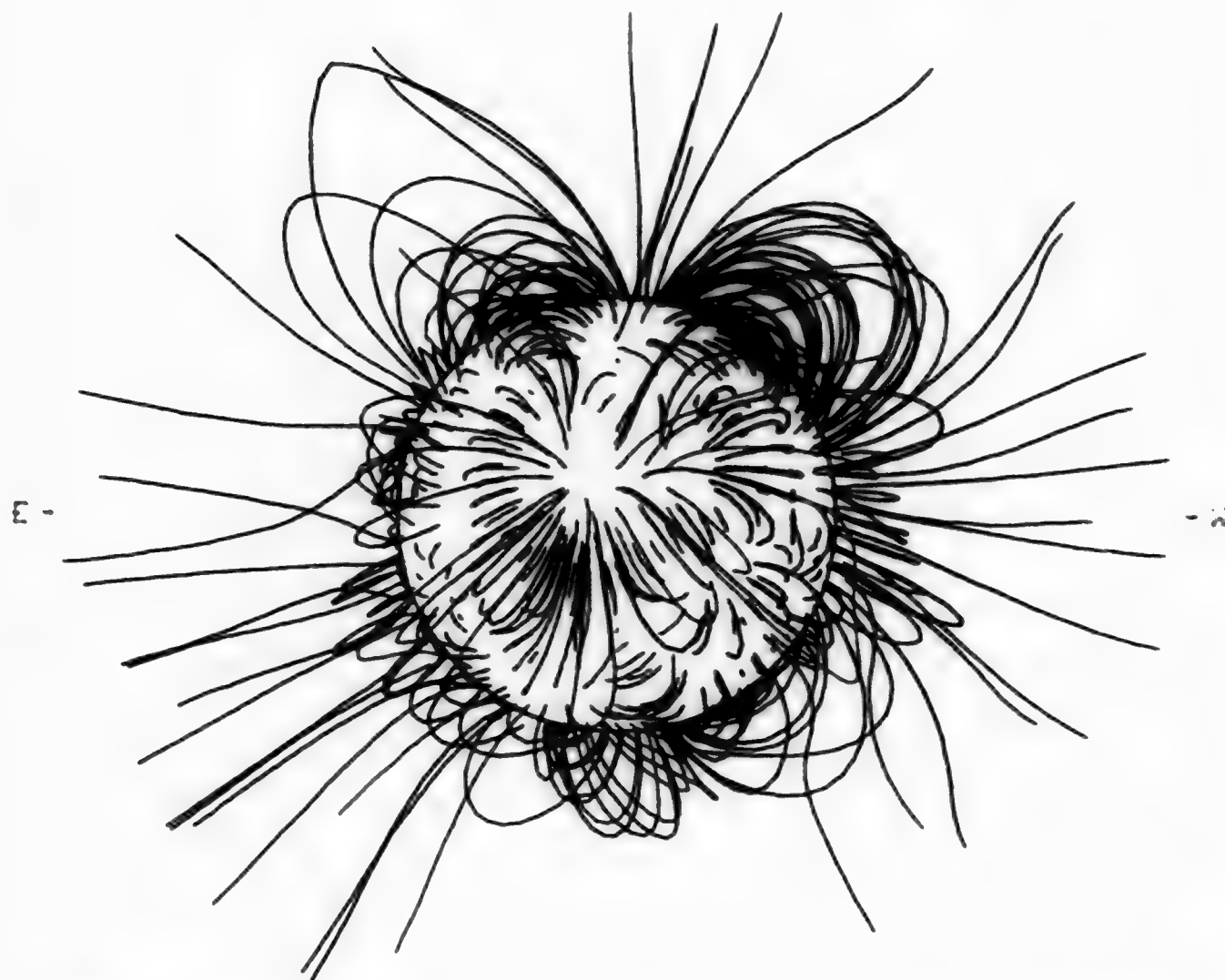


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1474.44

S

ROT. 1475 LONG. 350°
 8.5 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

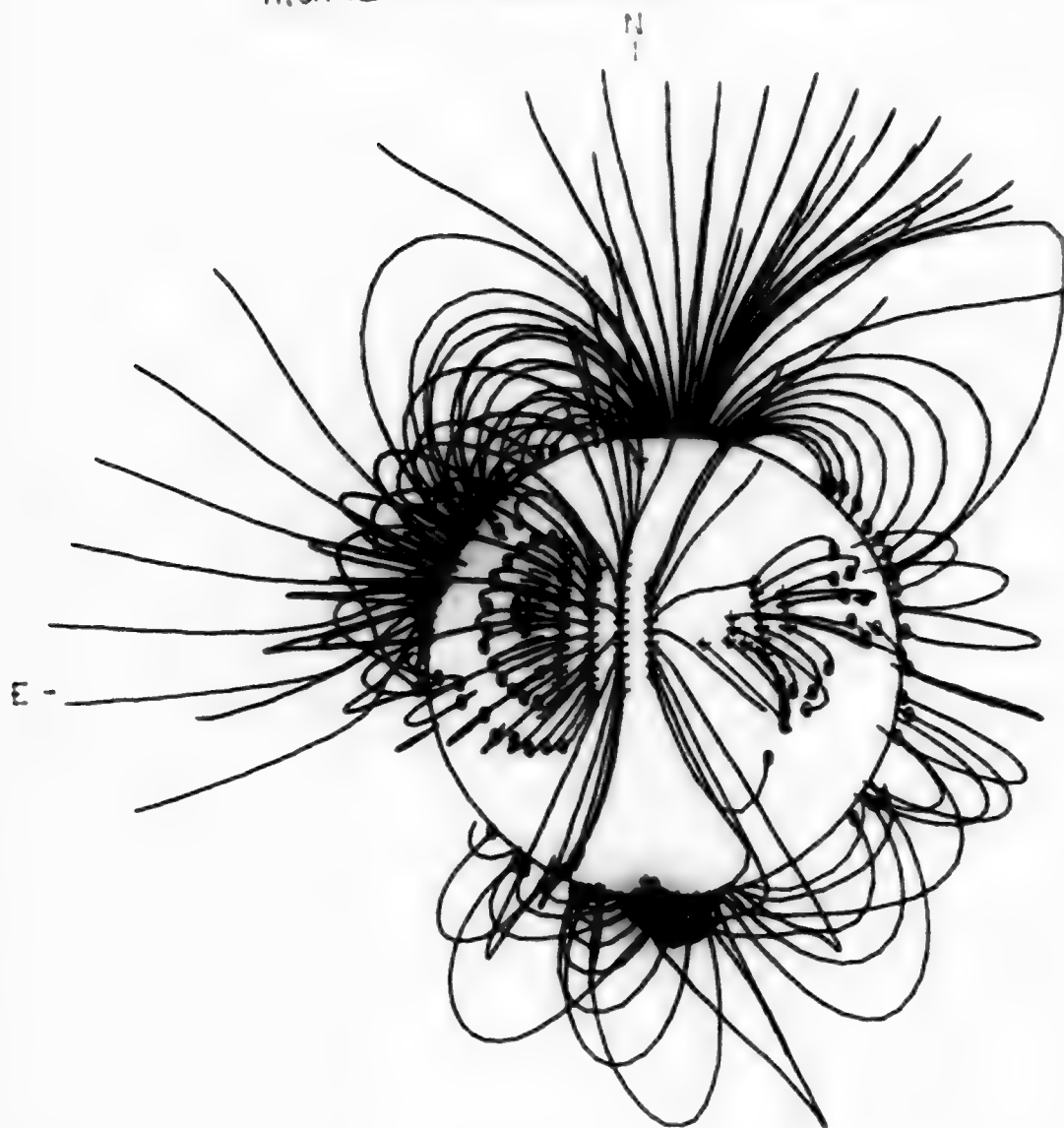
DATA WINDOW 1474.44

S

ROT. 1475 LONG. 540°

9.1 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

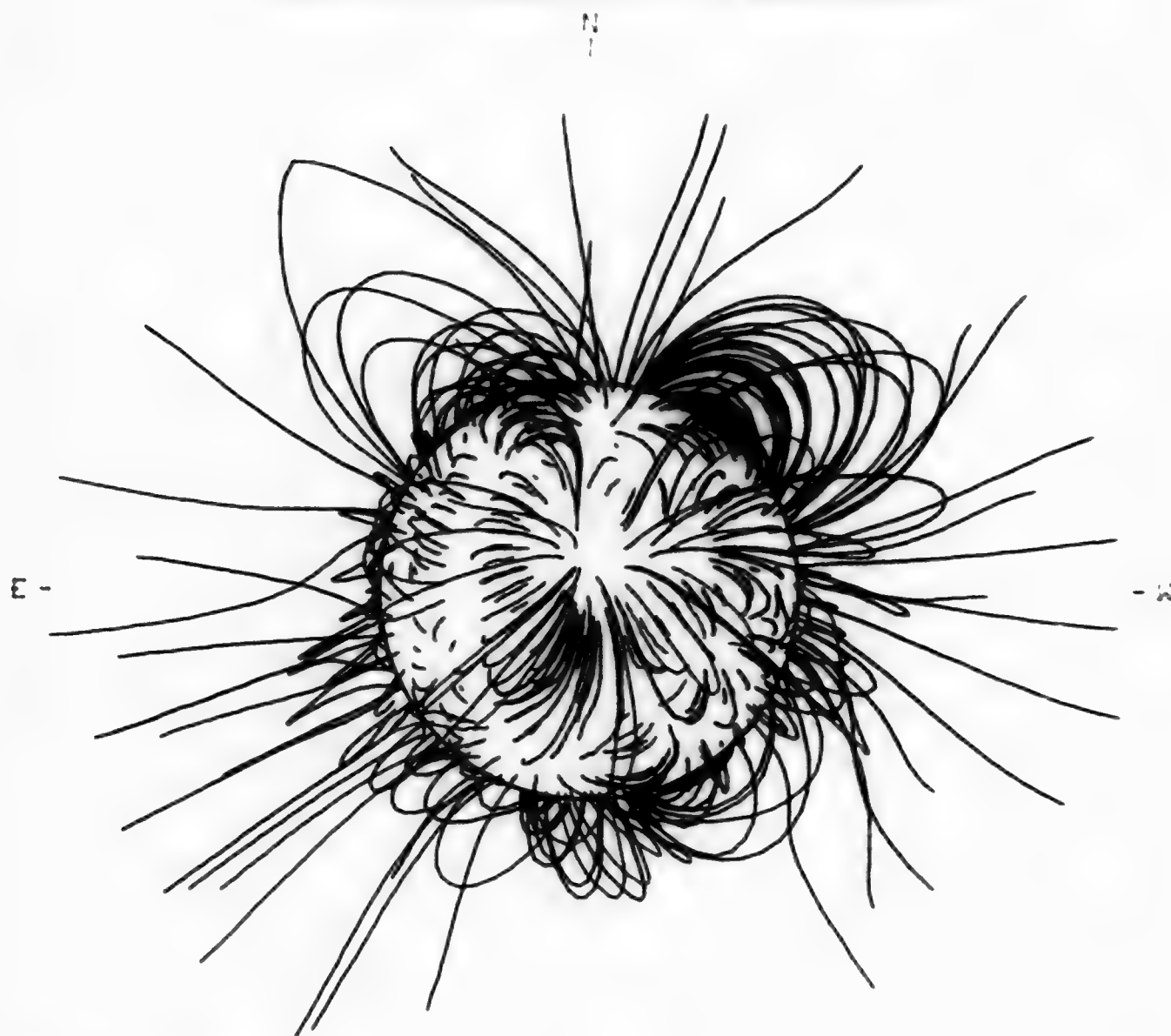


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.44

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S

ROT. 1275 LONG. 144°
9. DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

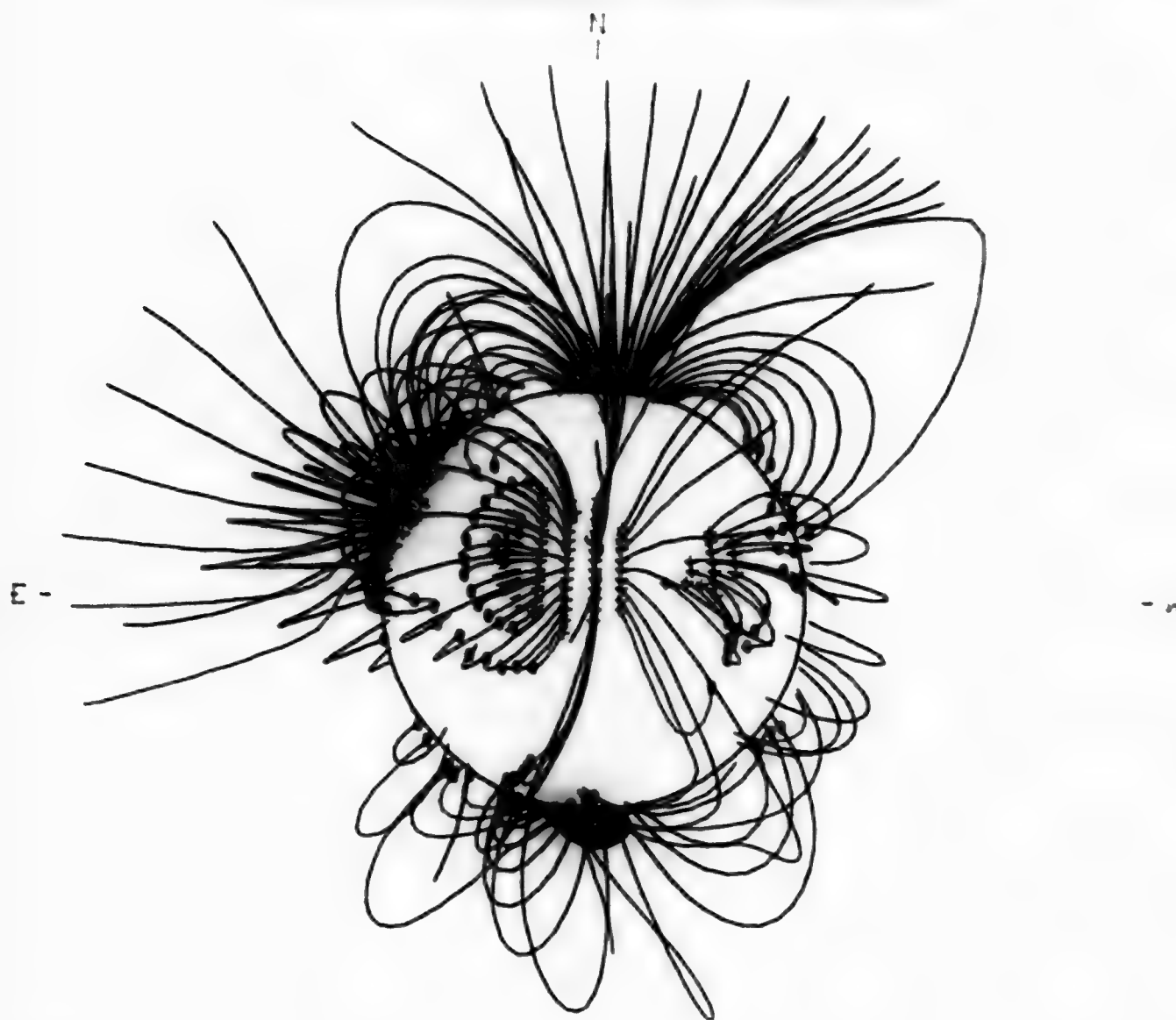
DATA WINDOW 1474.44

N
S

ROT. 1475 LONG. 550°

9.9 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

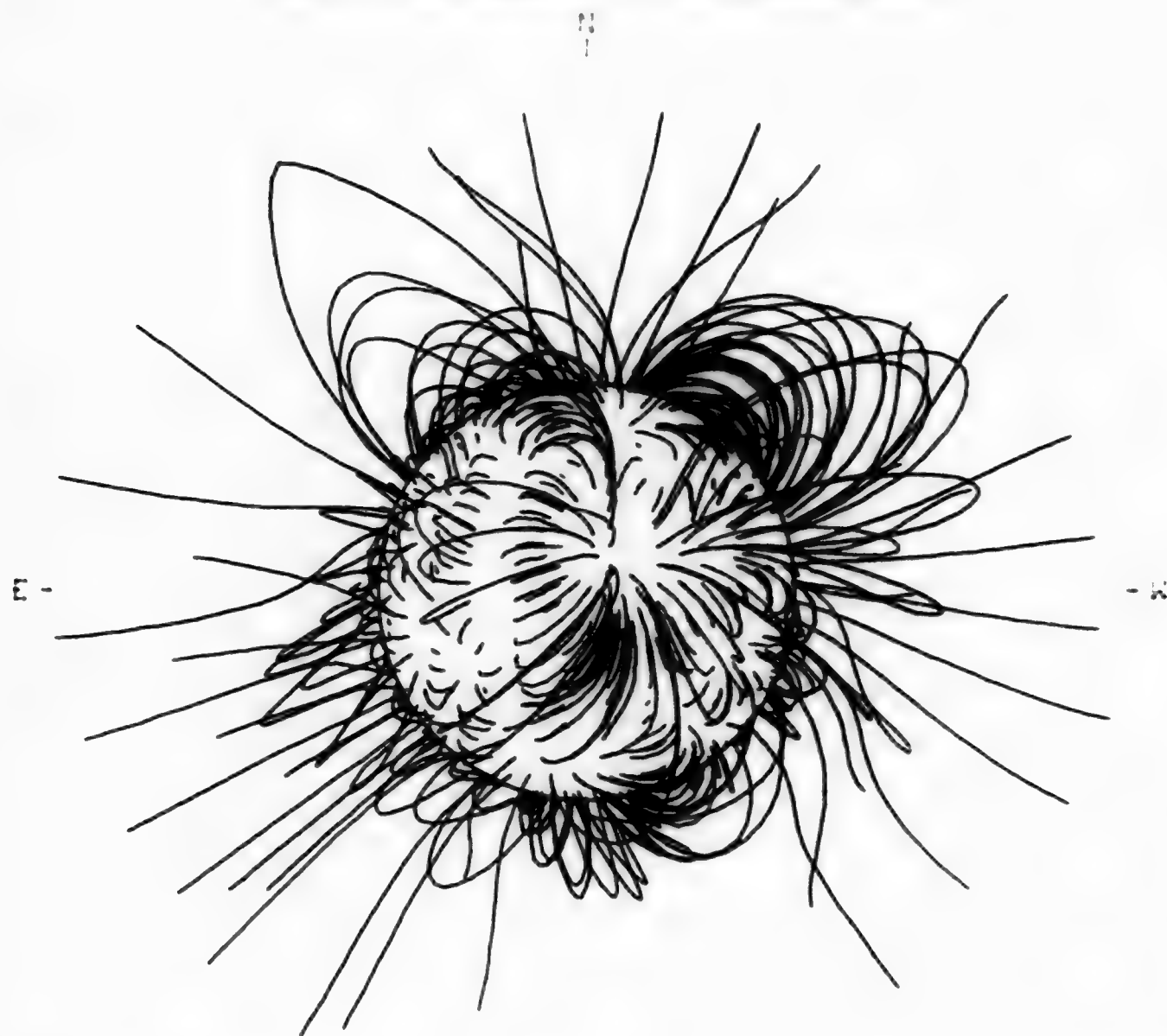
DATA WINDOW 1474.44

S

ROT. 1475 LONG. 550°

9.9 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

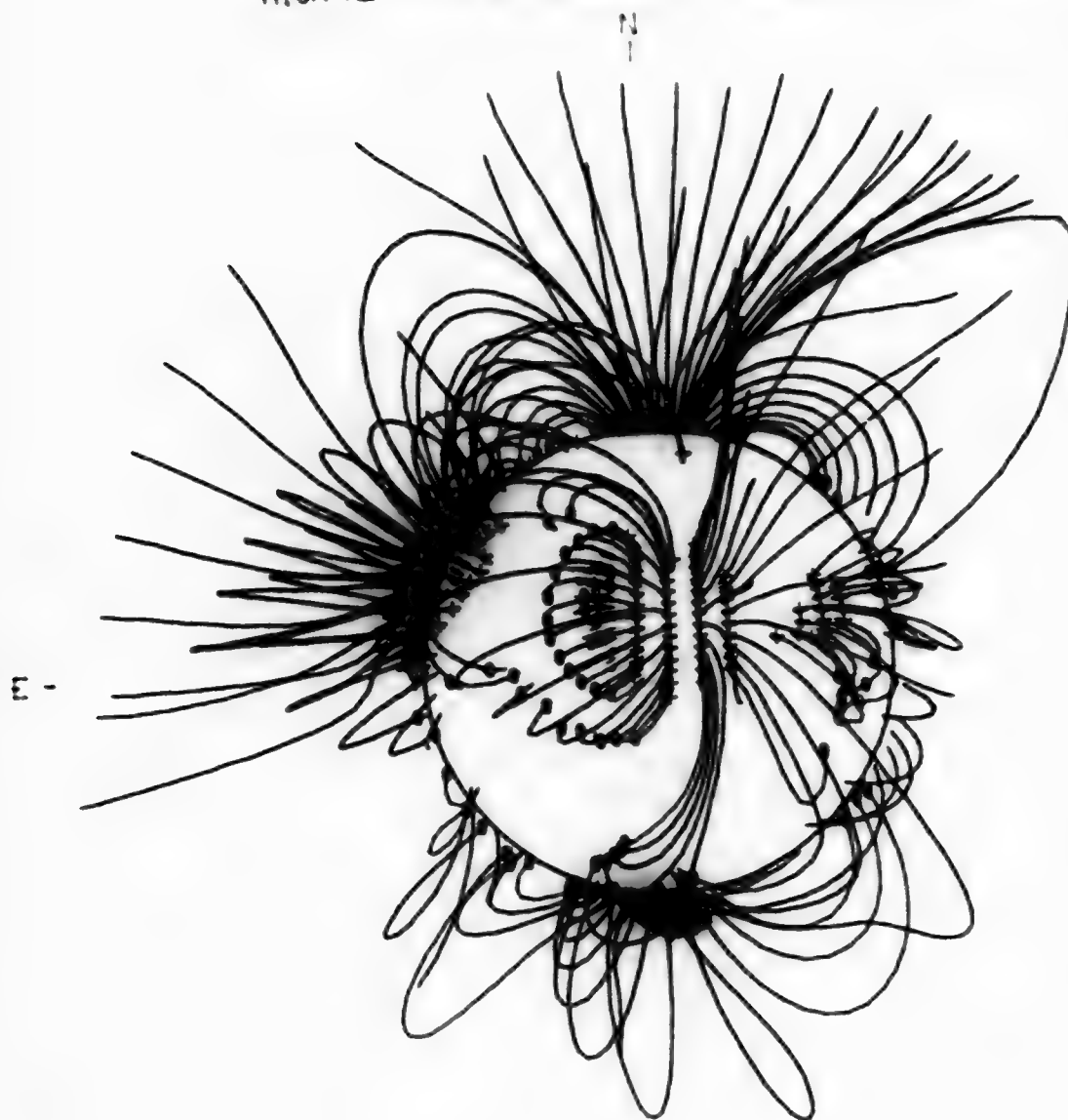
DATA WINDOW 1474.44

1
S

RUT. 1475 1046.501°

10.6 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

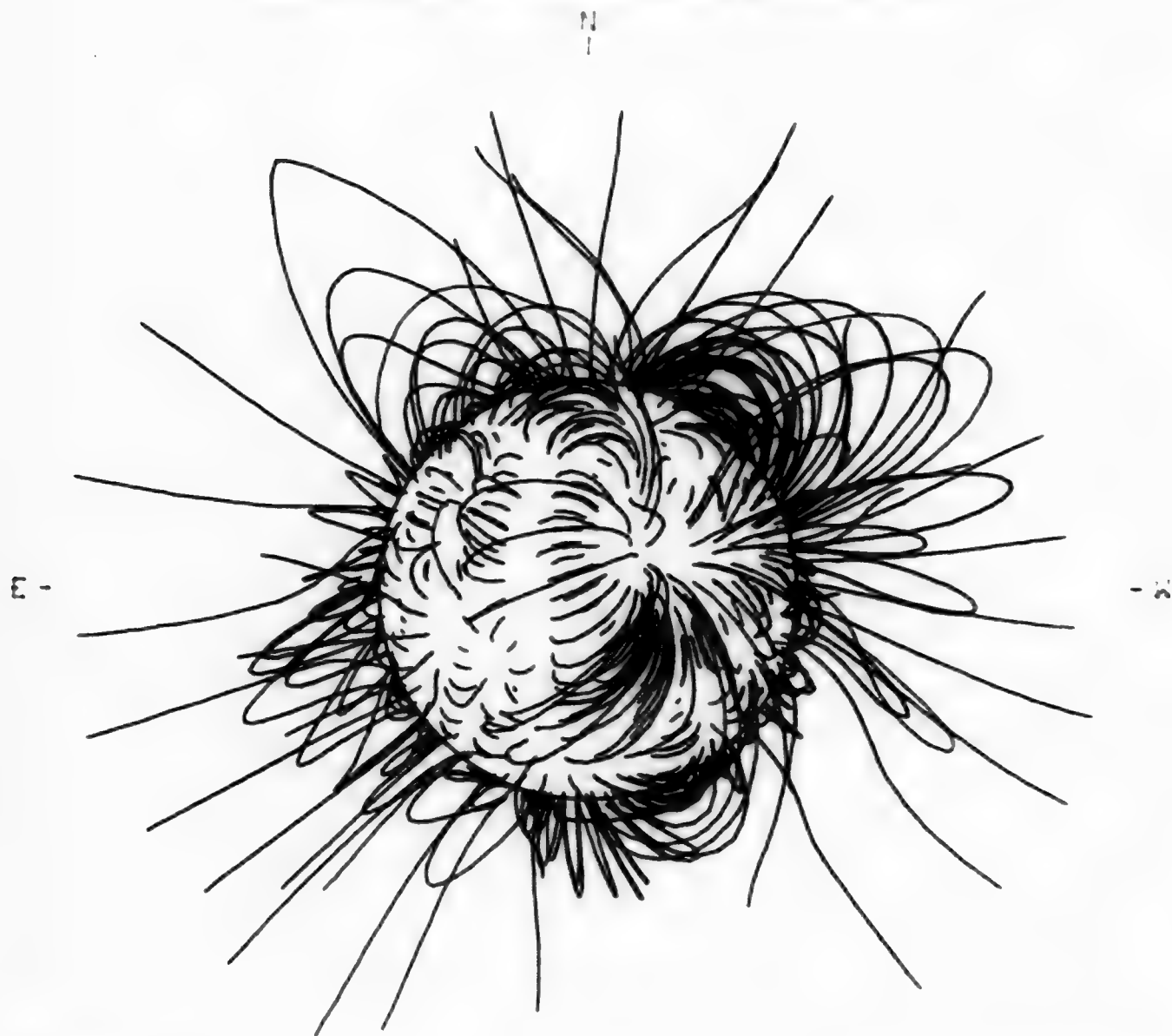


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.44

S

ROT. 1475 LONG. 321
10.6 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

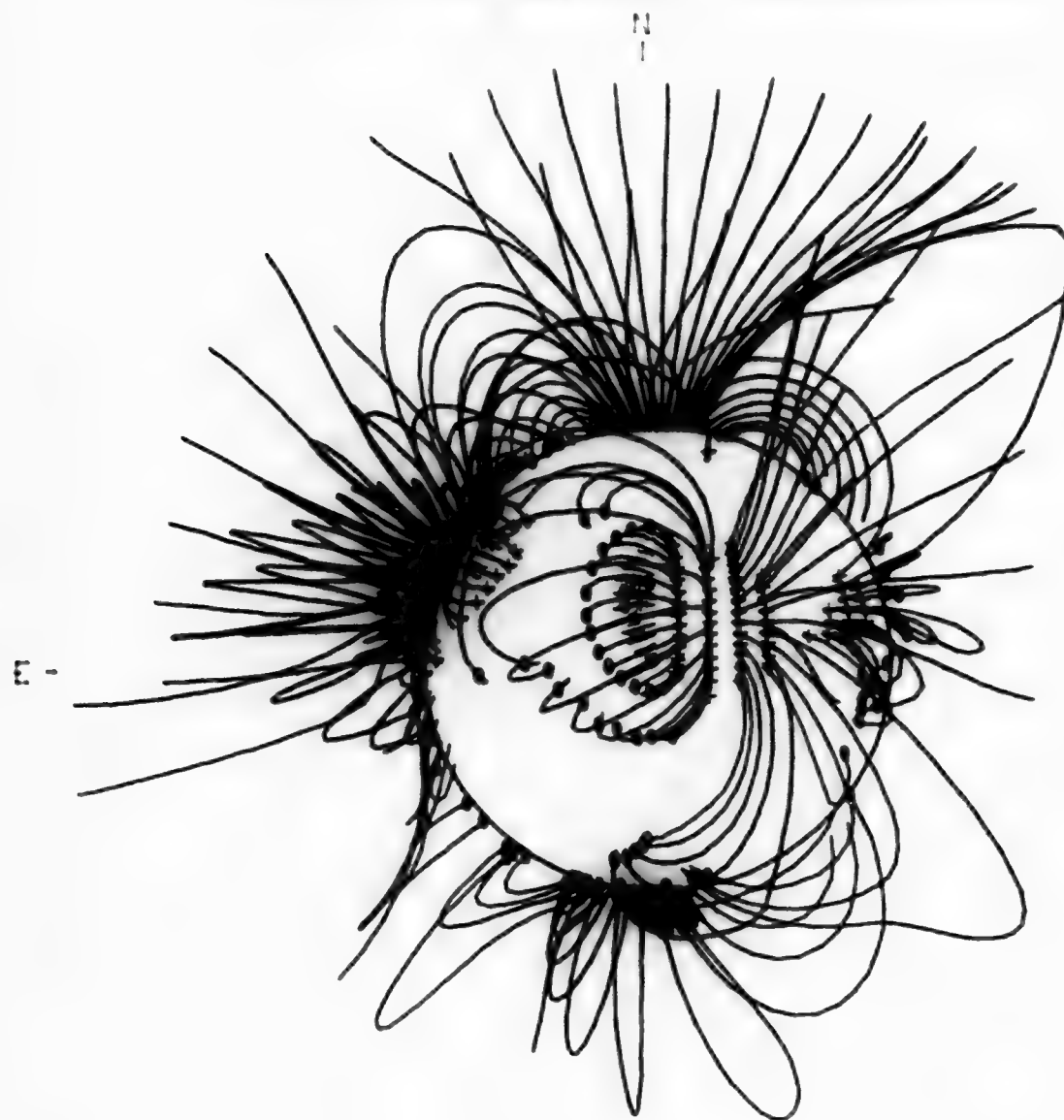
DATA WINDOW 1474.44

S

ROT. 1475 LONG. 51°

11.4 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

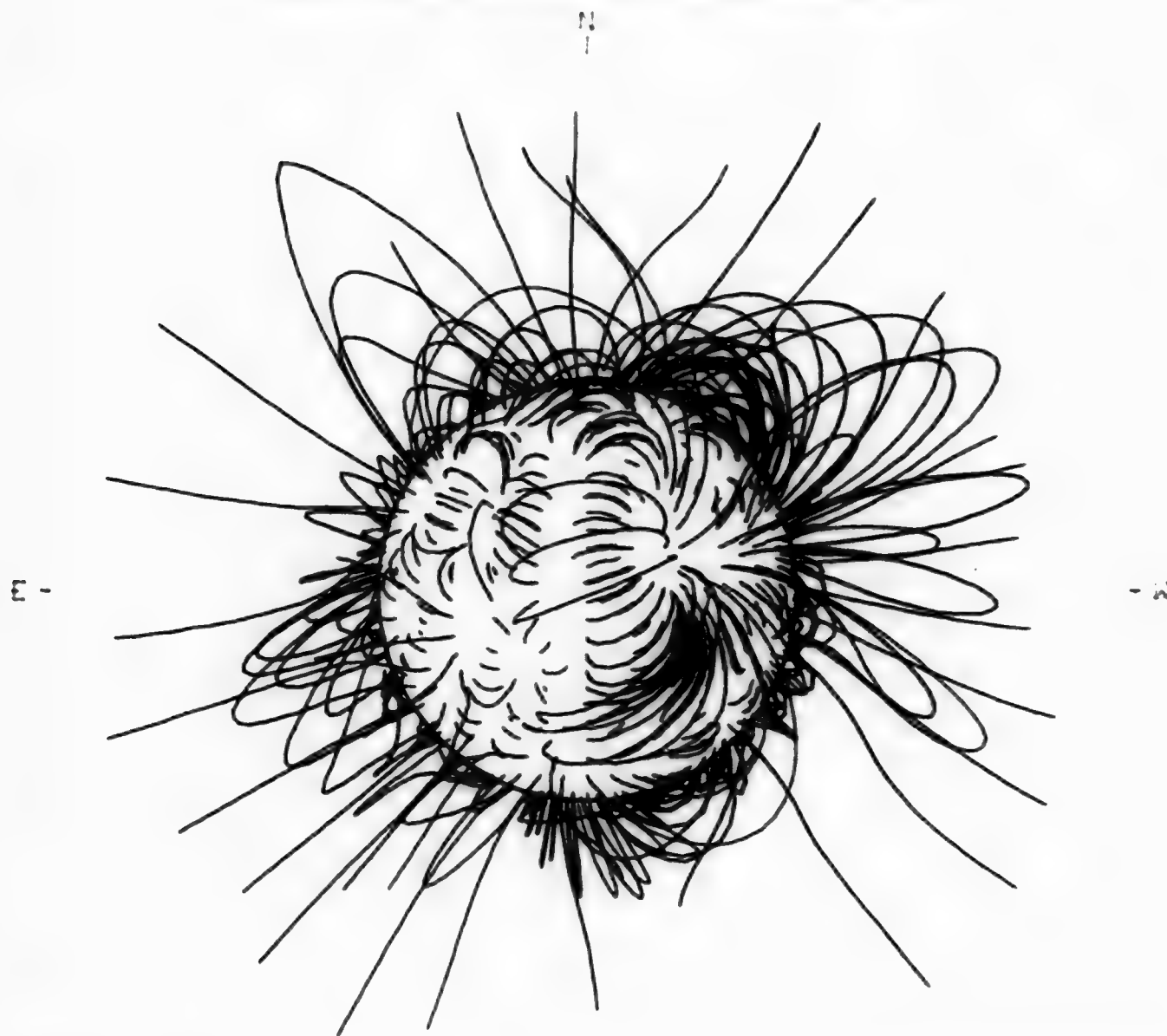


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.44

1
S

ROT. 1475 LONG. 51°
11.4 DEC 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

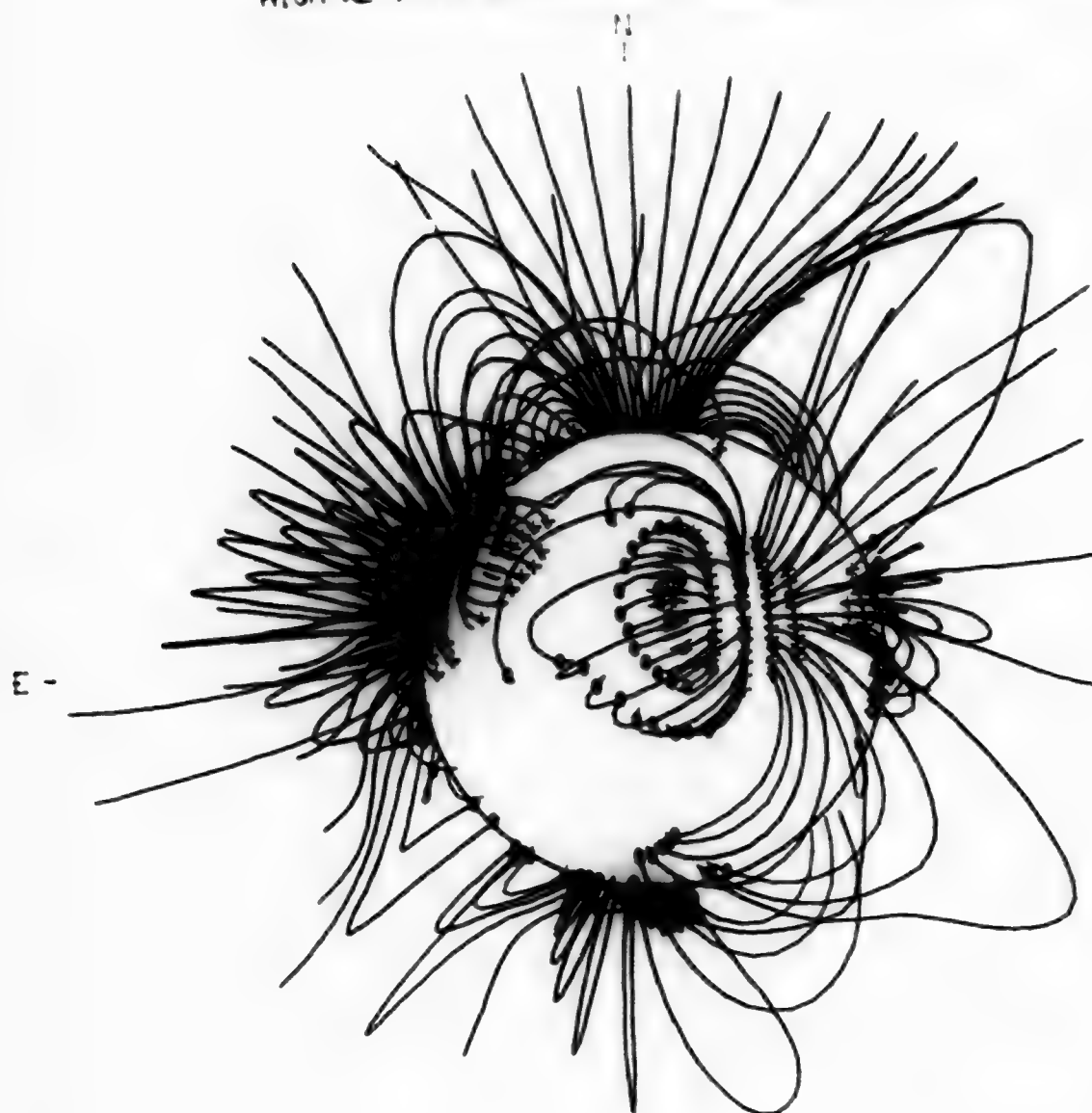
DATA WINDOW 1474.44

S

ROT. 1475 LONG. 500°

12.1 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.574.44

1
S

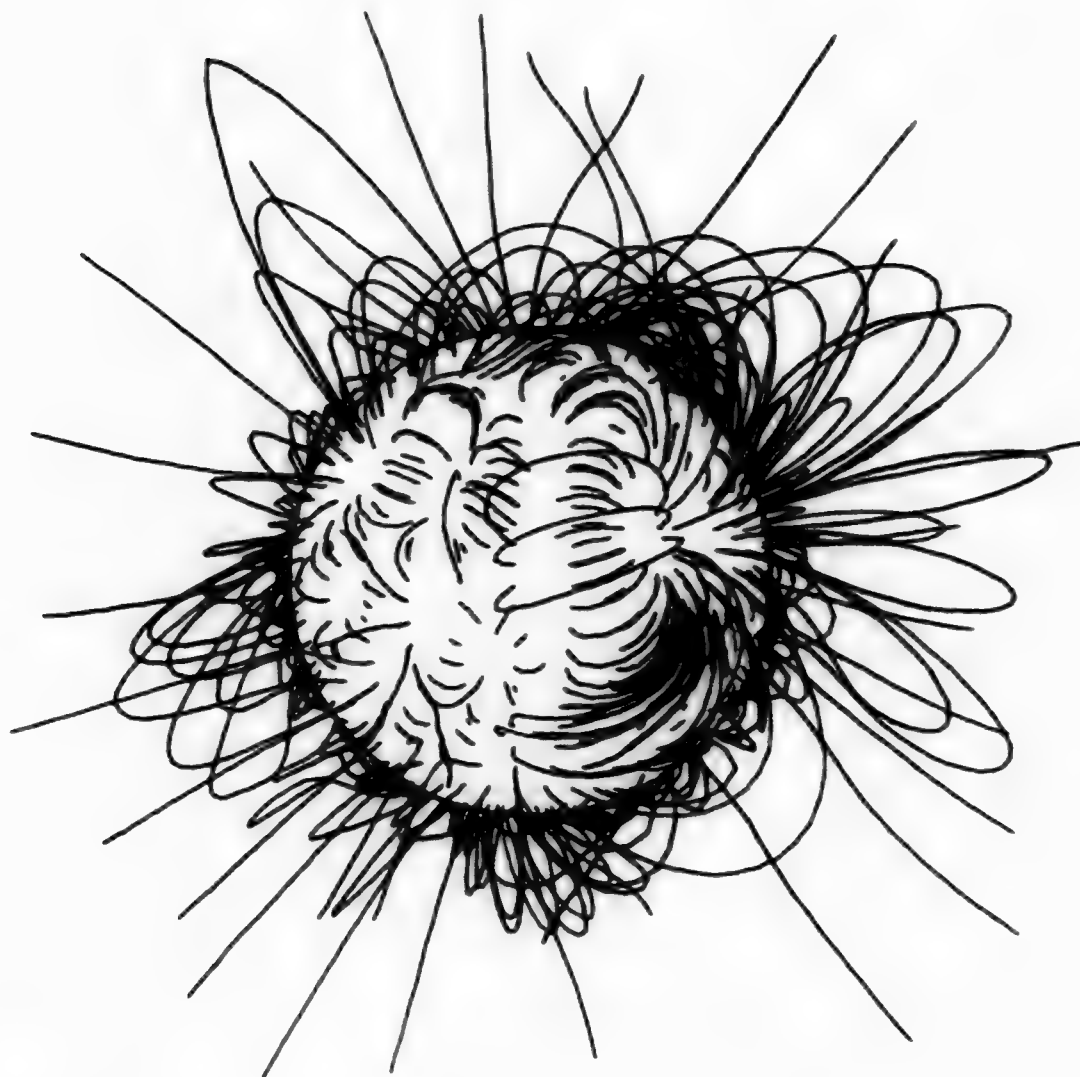
RJT. 1475 LONG. 500°
12.1 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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1

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QUALITY GOOD

POLES AVERAGED

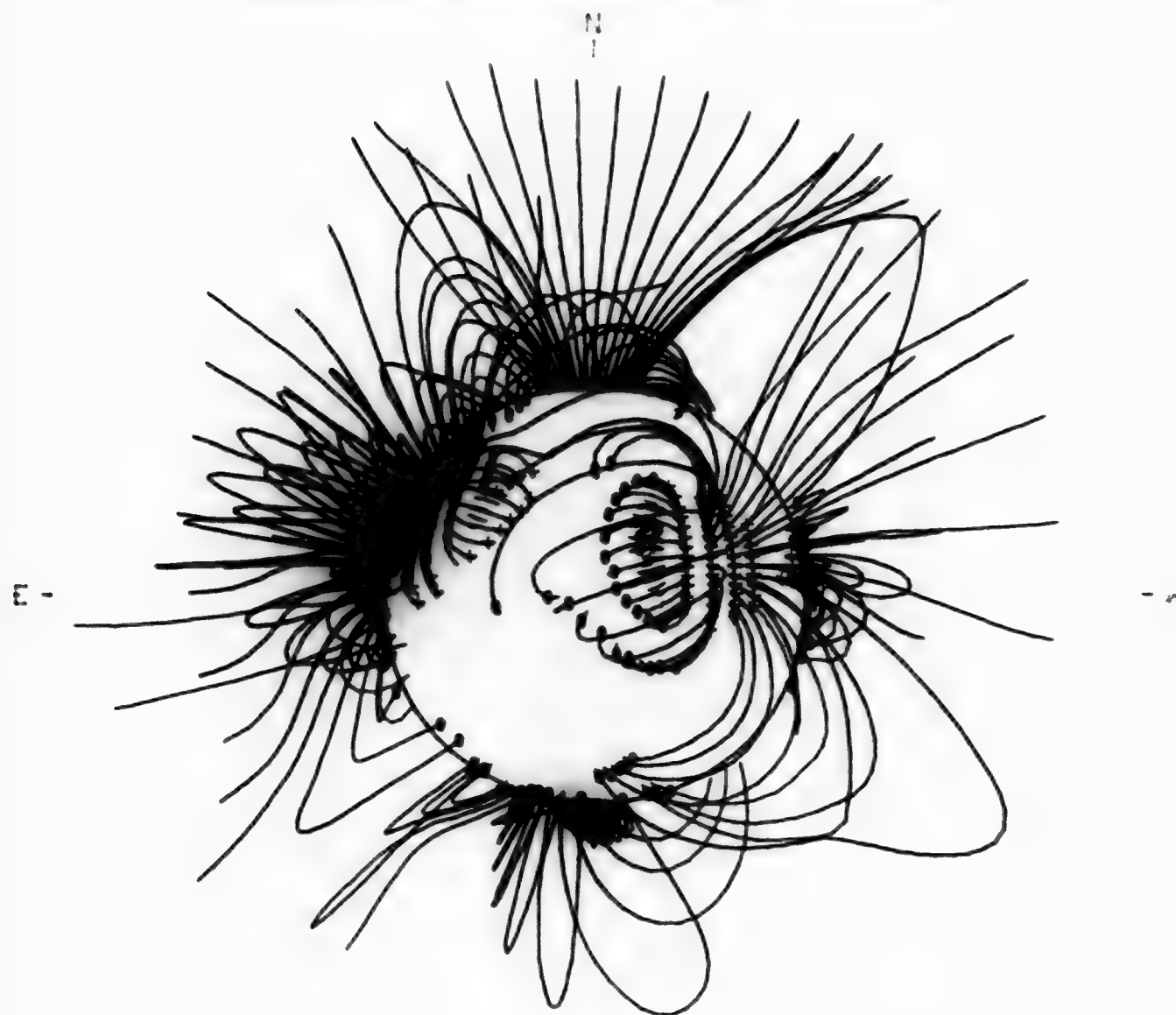
DATA WINDOW 1474.44

1
S

ROT. 1475 LONG. 240°

12.5 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1474.44

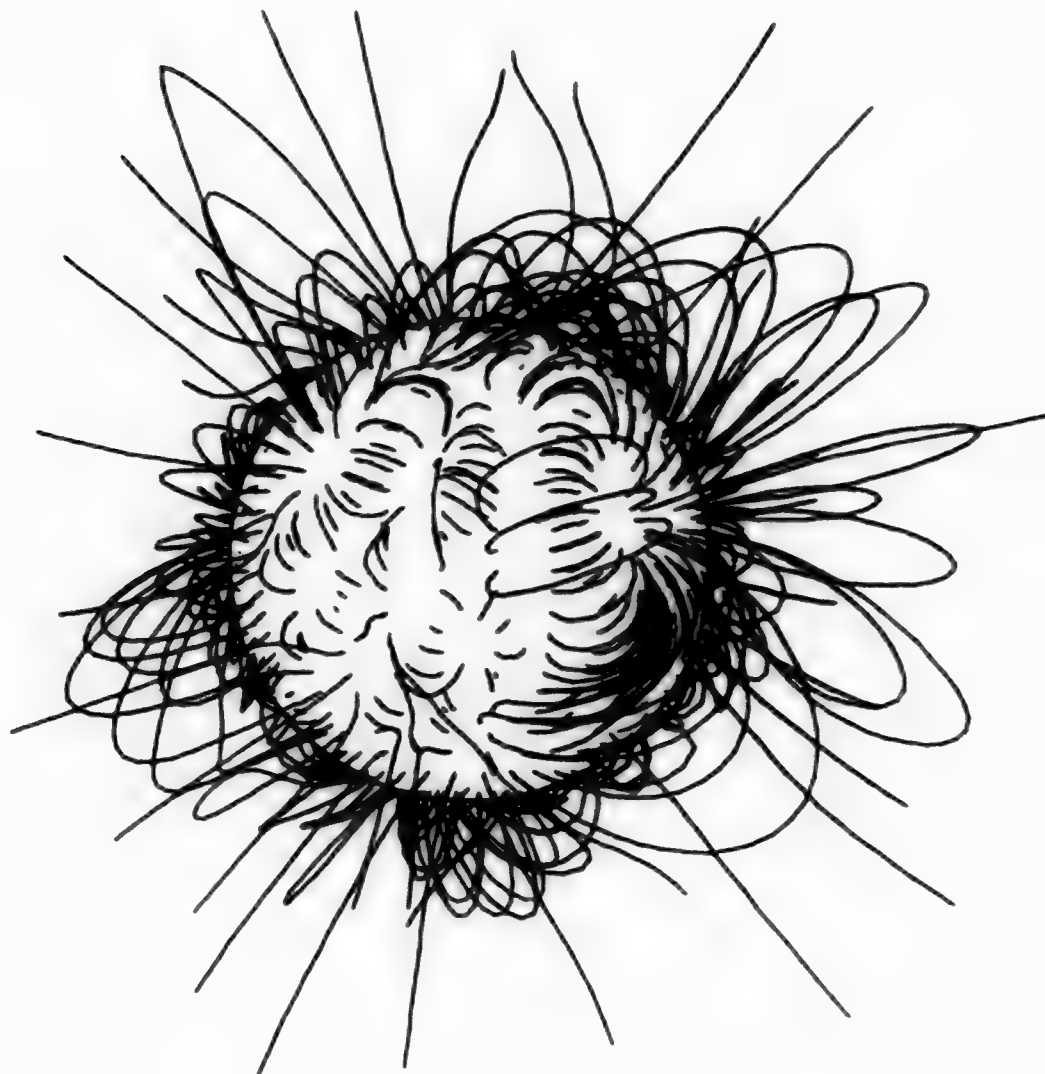
1
S

RET. 1475 LONG. 24.1

12.9 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



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QUALITY GOOD

POLES AVERAGED

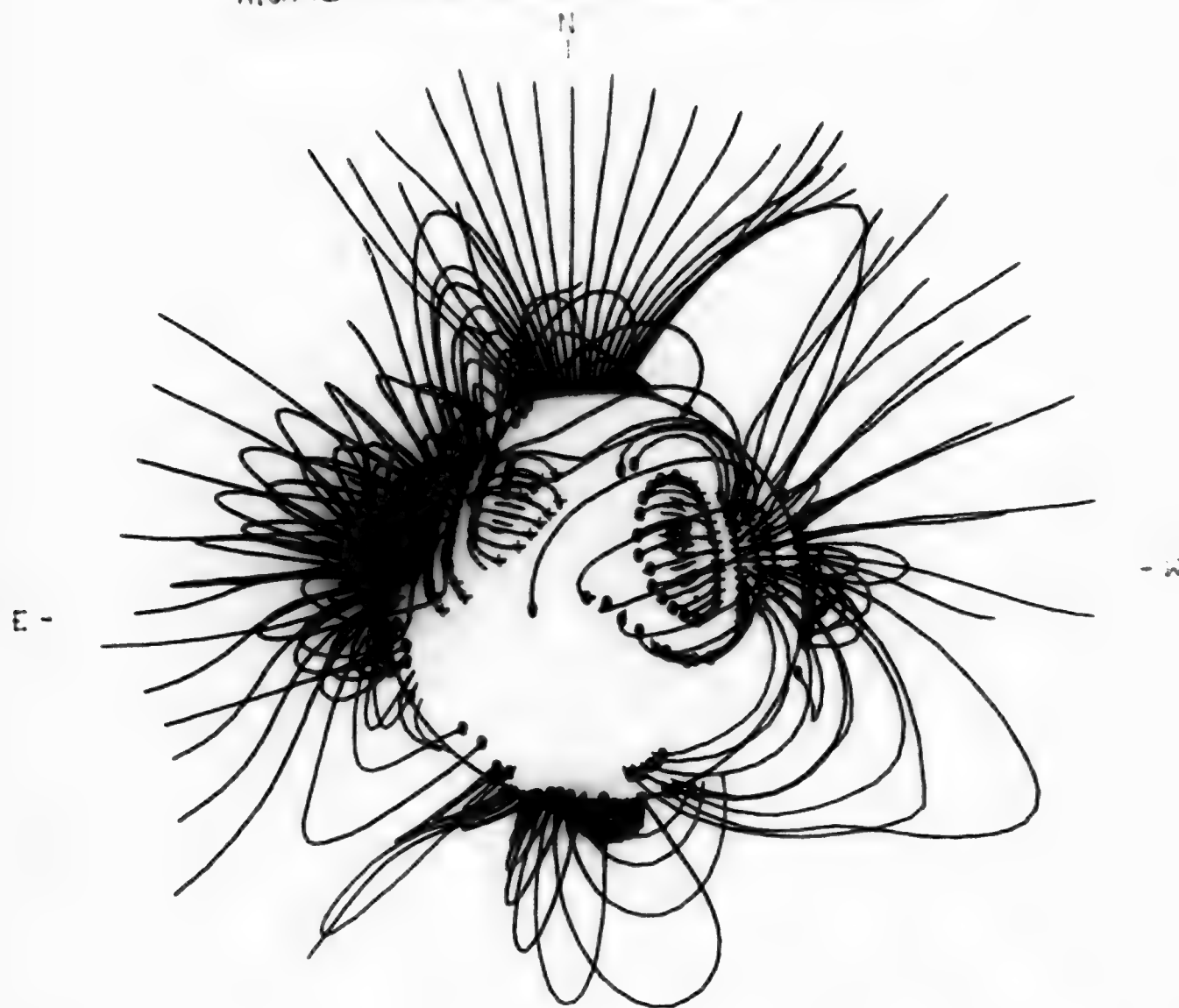
DATA WINDOW 1474.44

S

RUT. 1475 LONG. 281°

13.6 DEC 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



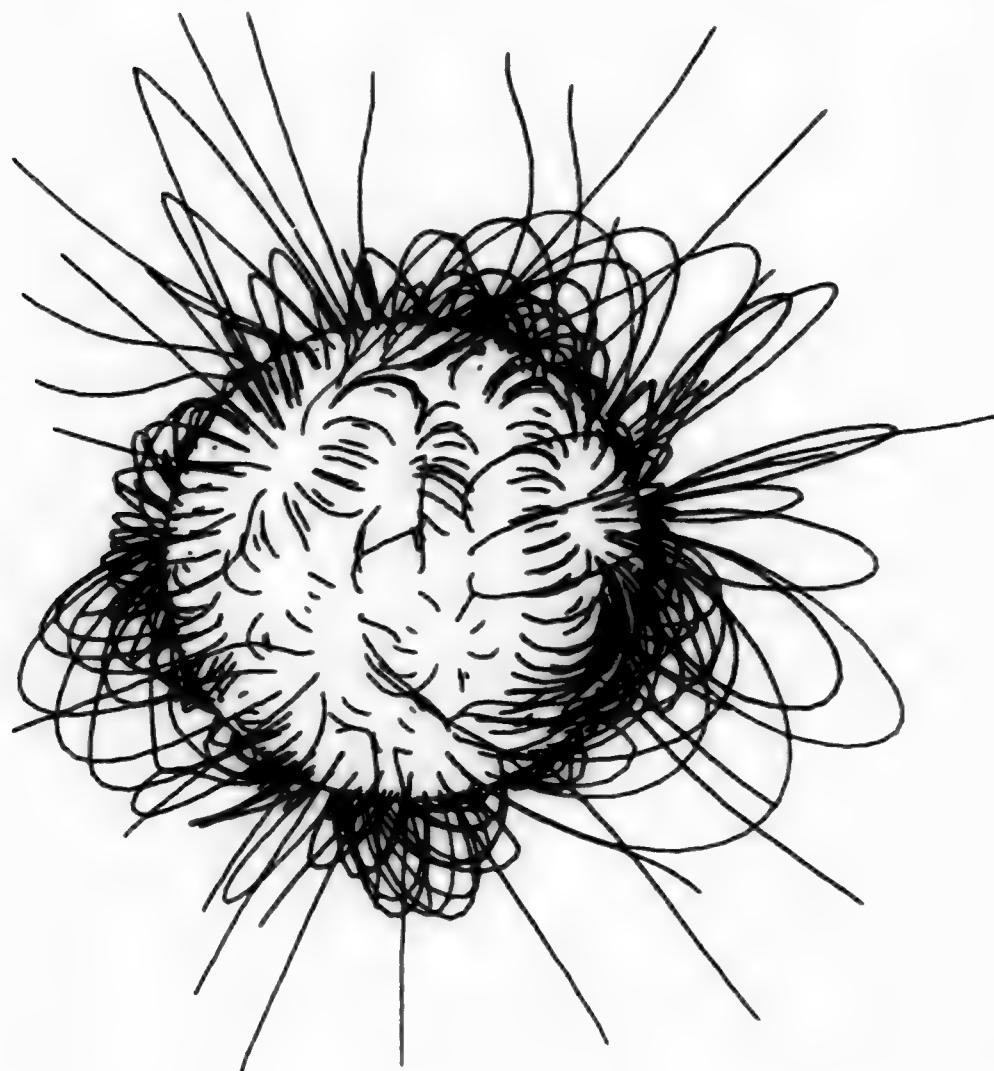
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.44

S

ROT. 1475 1045.280°
13.6 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -



- W

QUALITY GOOD

POLES AVERAGED

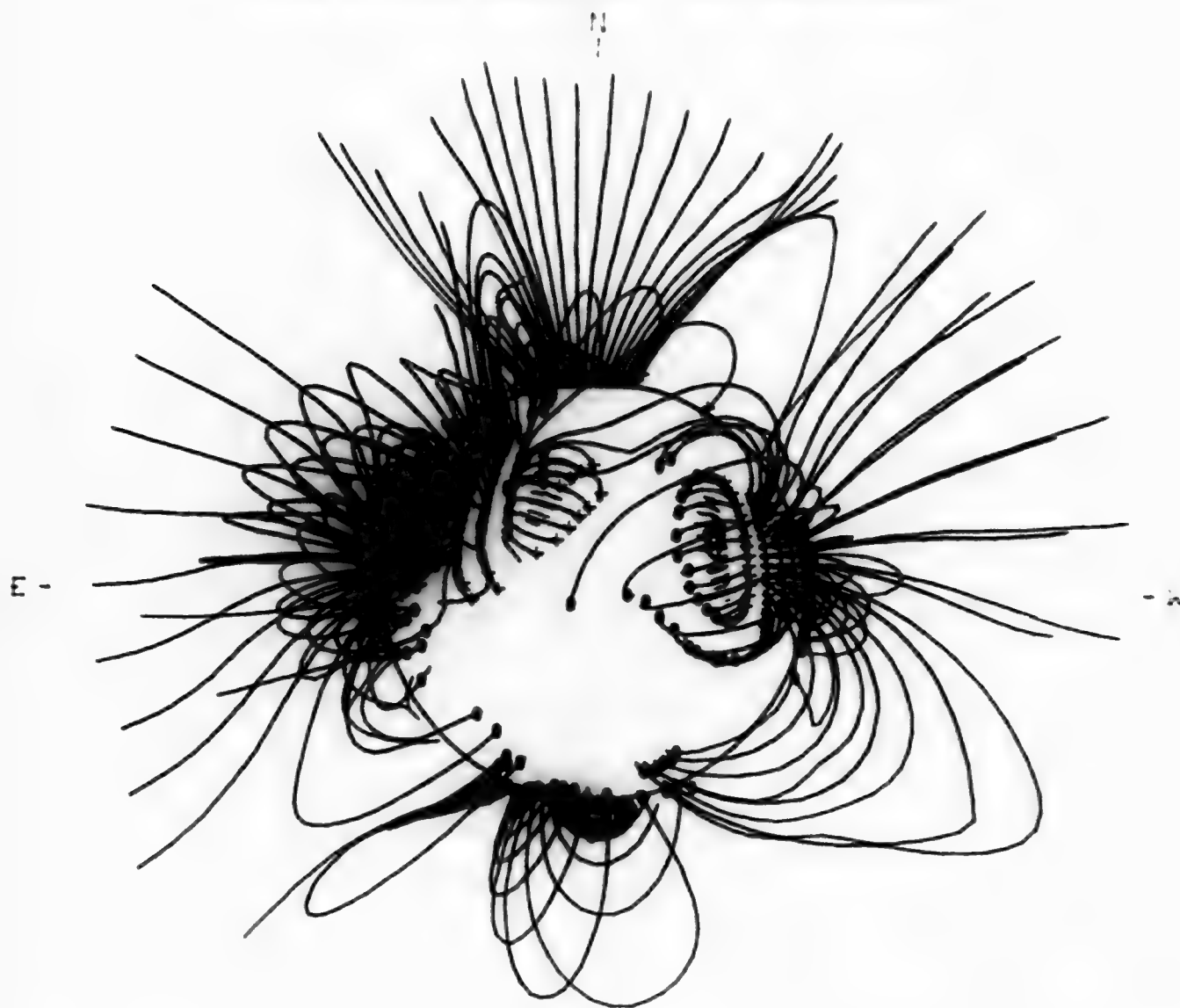
DATA WINDOW 1474.44

S

RUT. 1475 1916.27

14.4 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1474.44

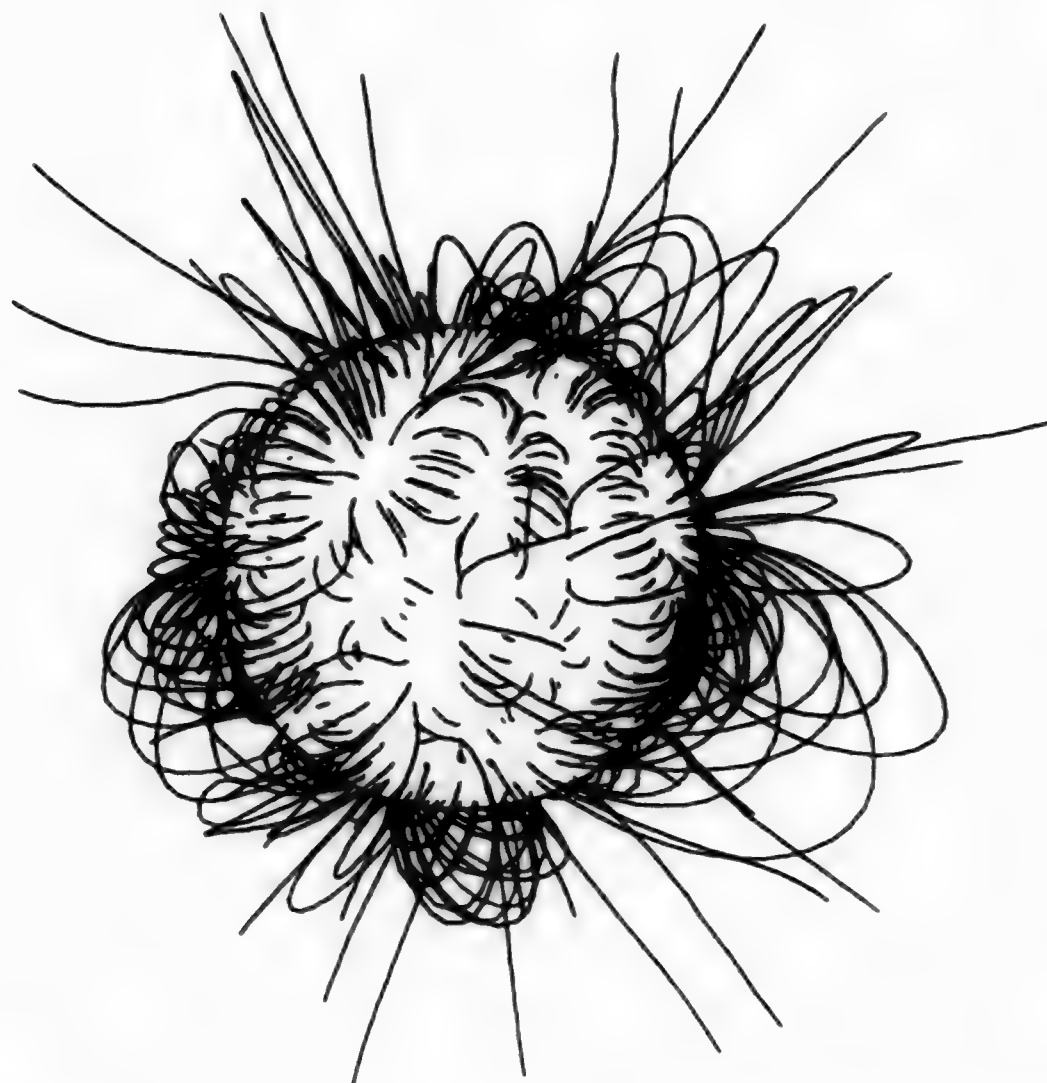
S

207. 1475 1010. 271°

14.4 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

11



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QUALITY GOOD

POLES AVERAGED

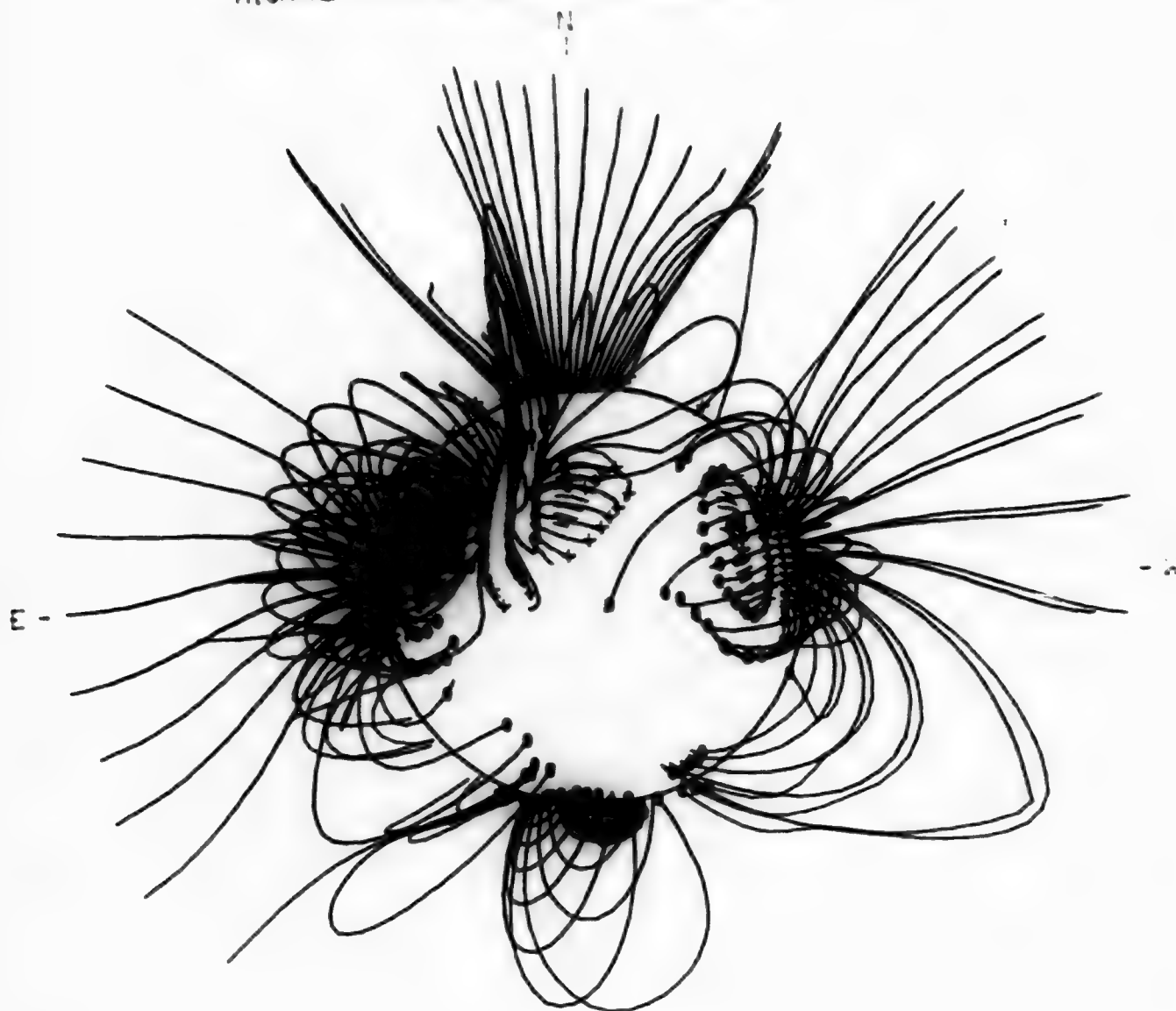
DATA WINDOW 1474.44

1
S

ROT. 1475 1476.250°

15.2 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



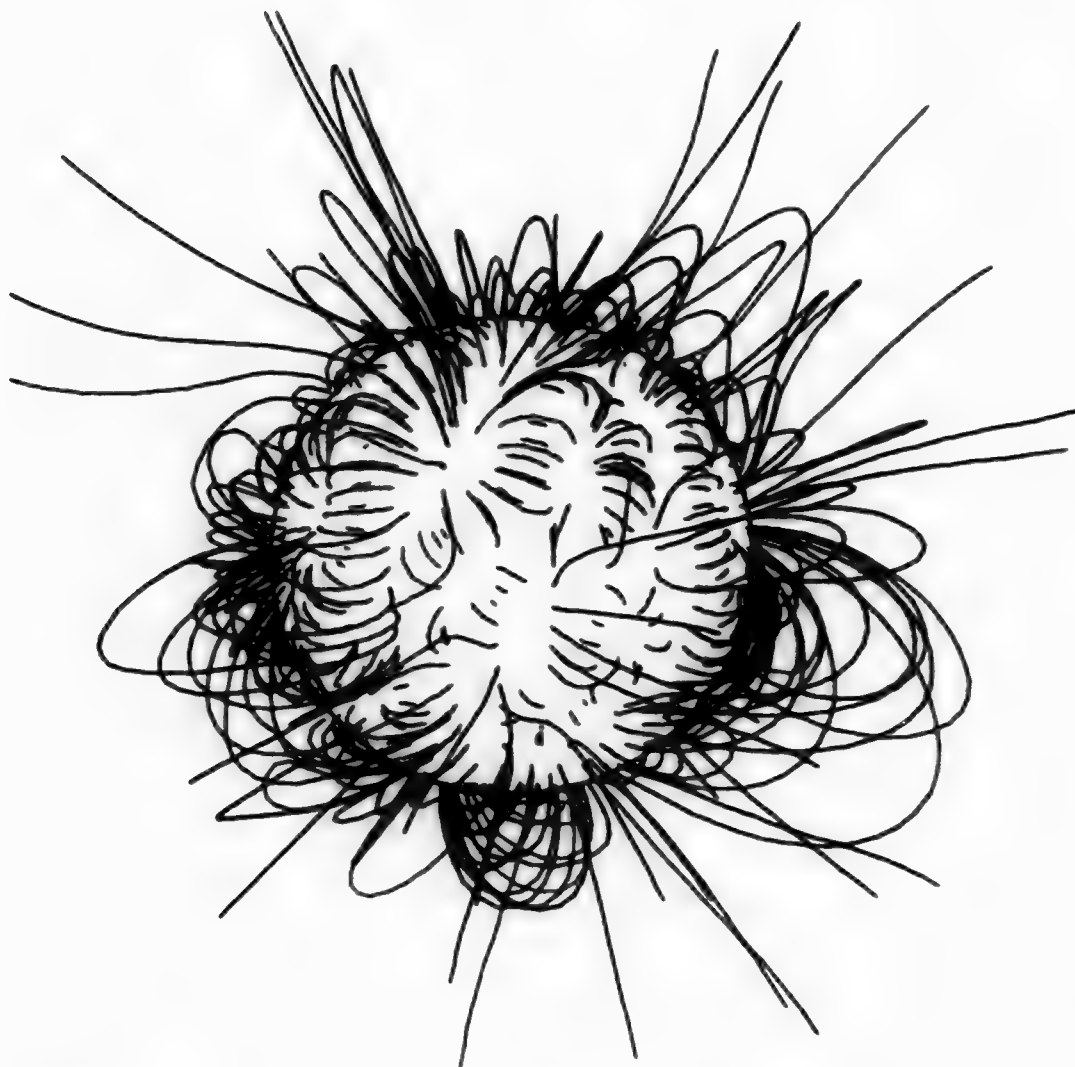
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.374.44

S

ROT. 1475 LONG. 240°
15.2 DEC 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



E -

- W

QUALITY GOOD

POLES AVERAGED

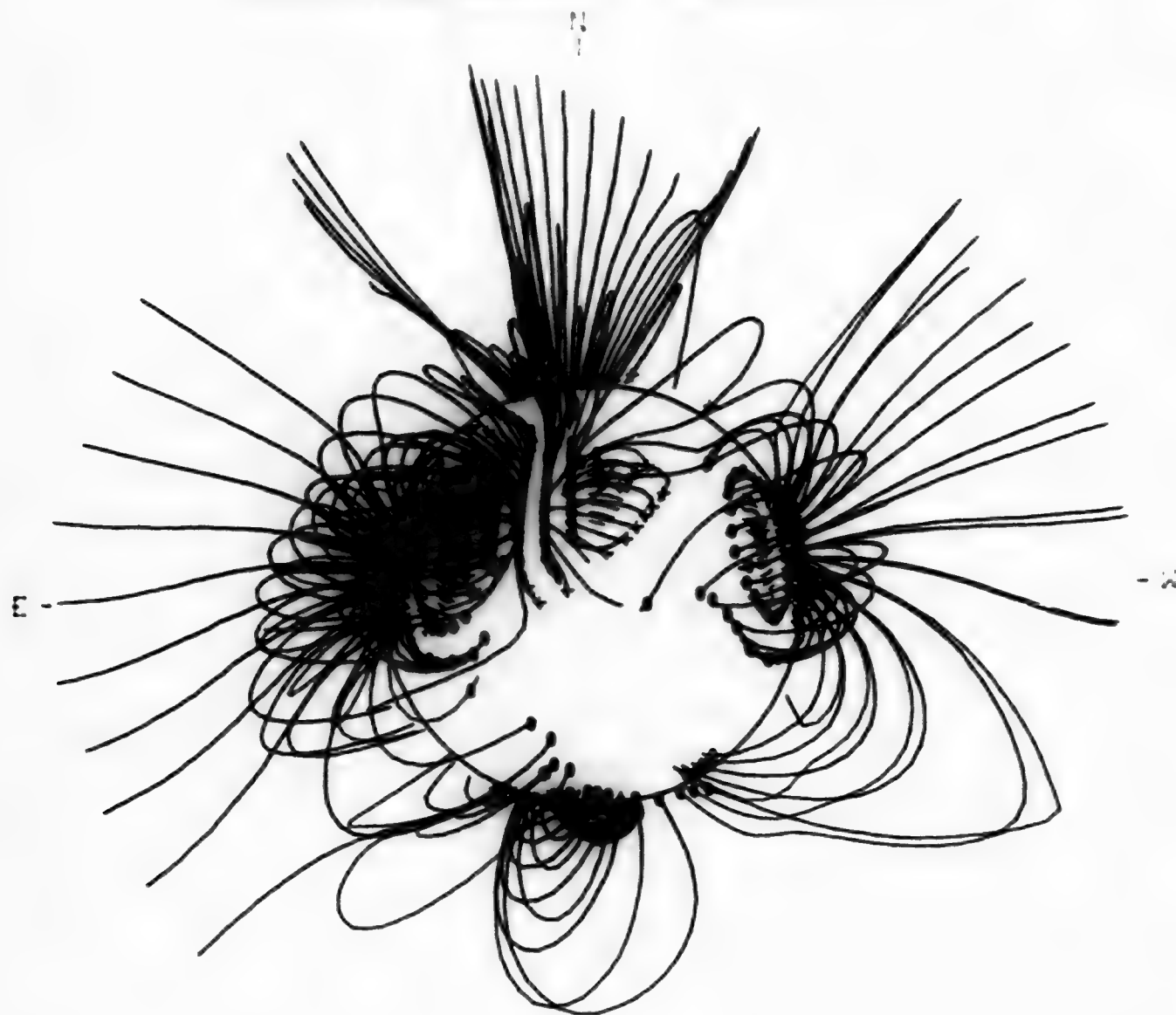
DATA WINDOW 1.374,44

S

ROT. 1.475 1.110, 251°

15.9 DEC 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1:274.44

S

RUT. 1275 LON. 251°
15.9 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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QUALITY GOOD

POLES AVERAGED

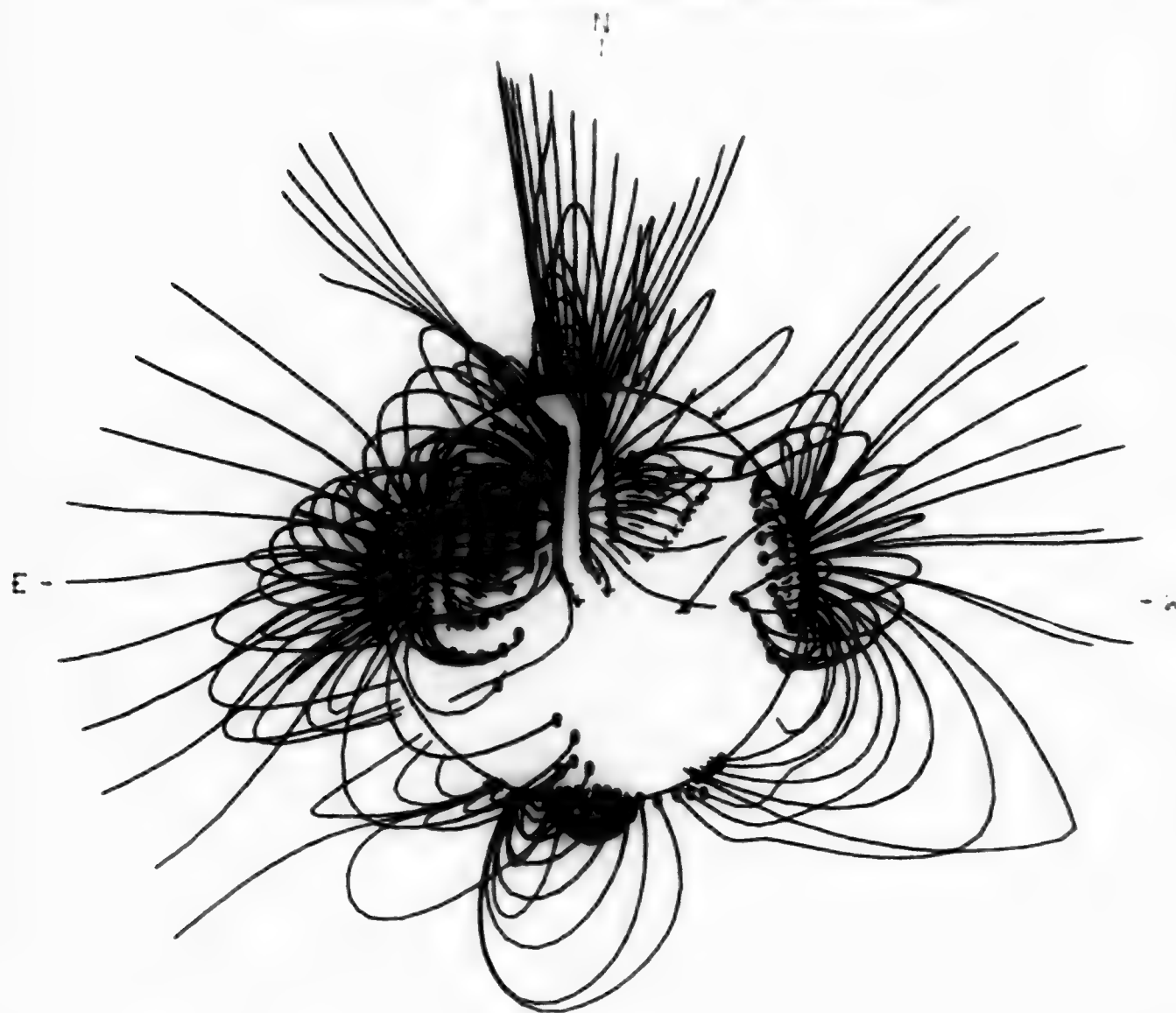
DATA WINDOW 1474.44

|
S

RUT. 1475 2016. 241°

16.7 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

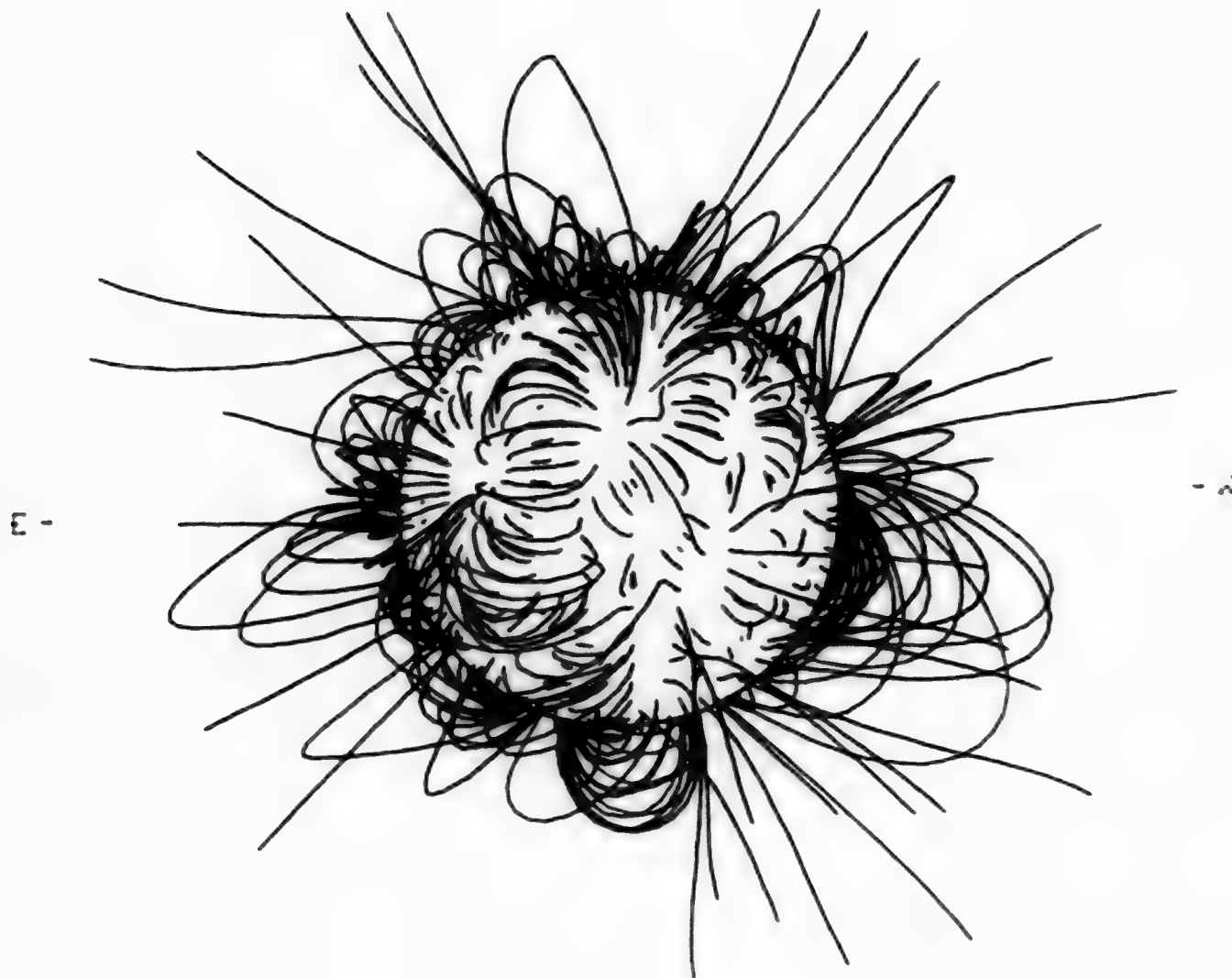
DATA WINDOW 1474.44

S

ROT. 1475 240.240°

15.7 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

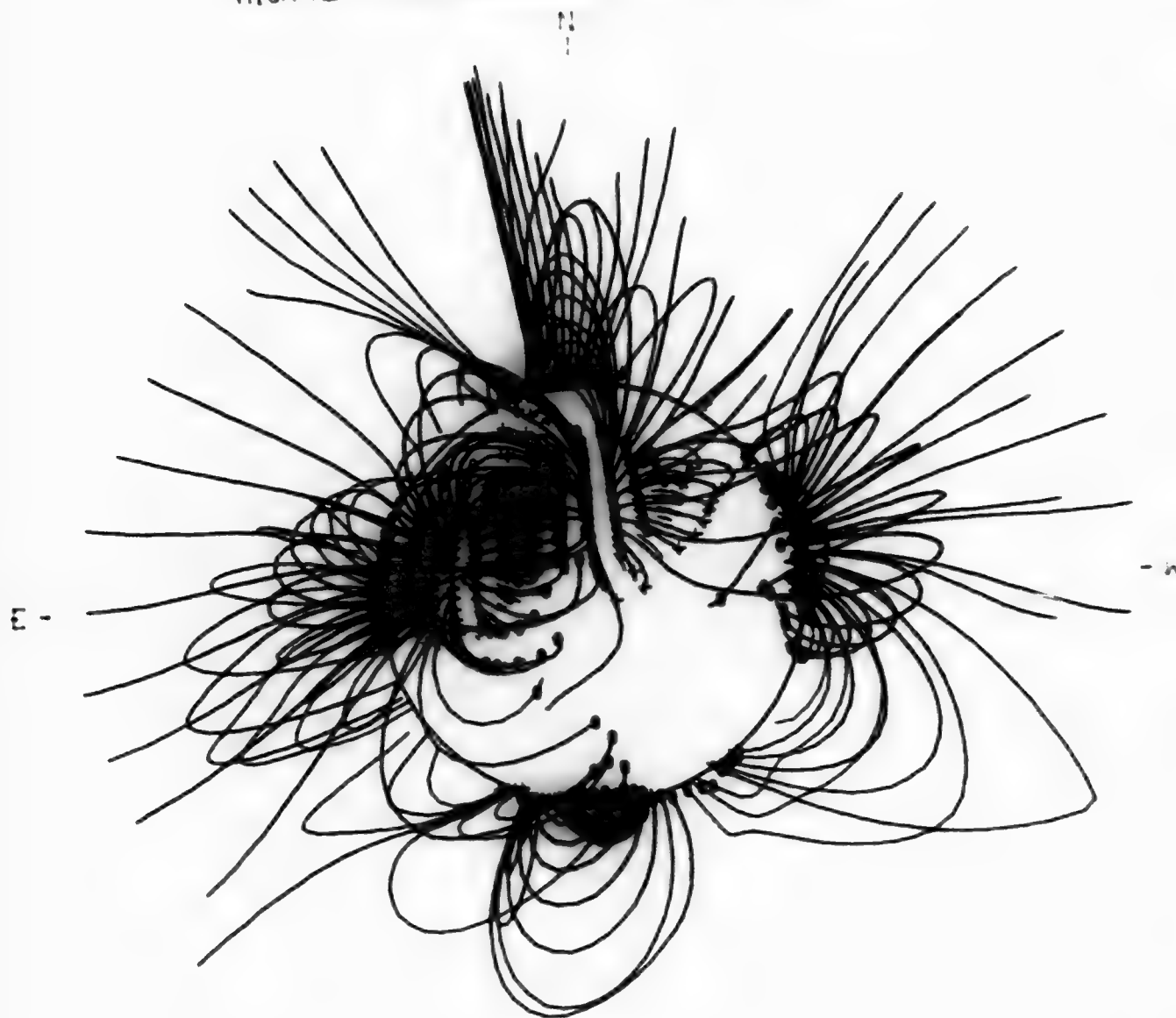


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.44

S

RJ. 1475 2016. 231
17.4 DEC 1968

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

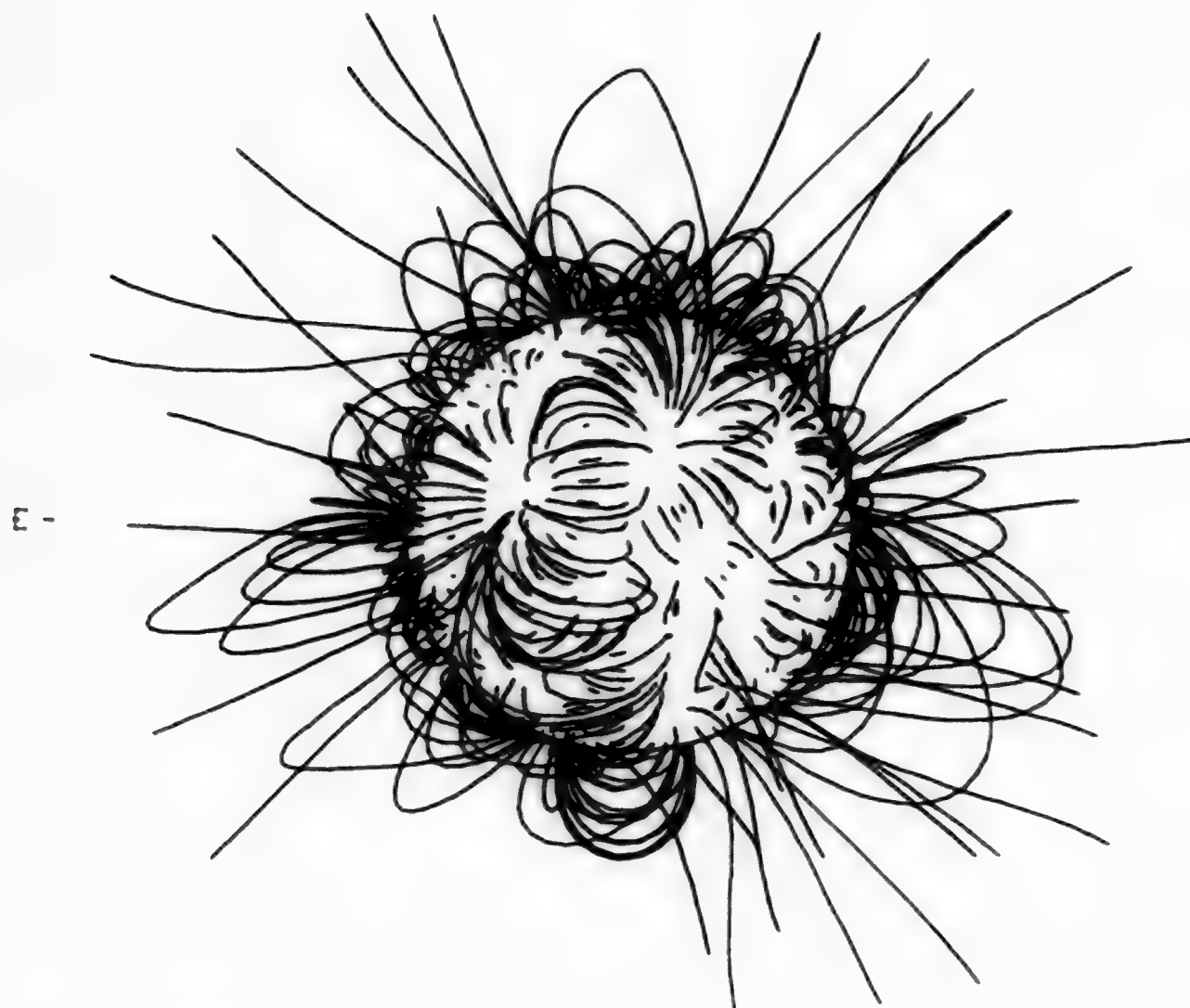


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.44

S

ROT. 1475 LONG. 251°
17.4 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

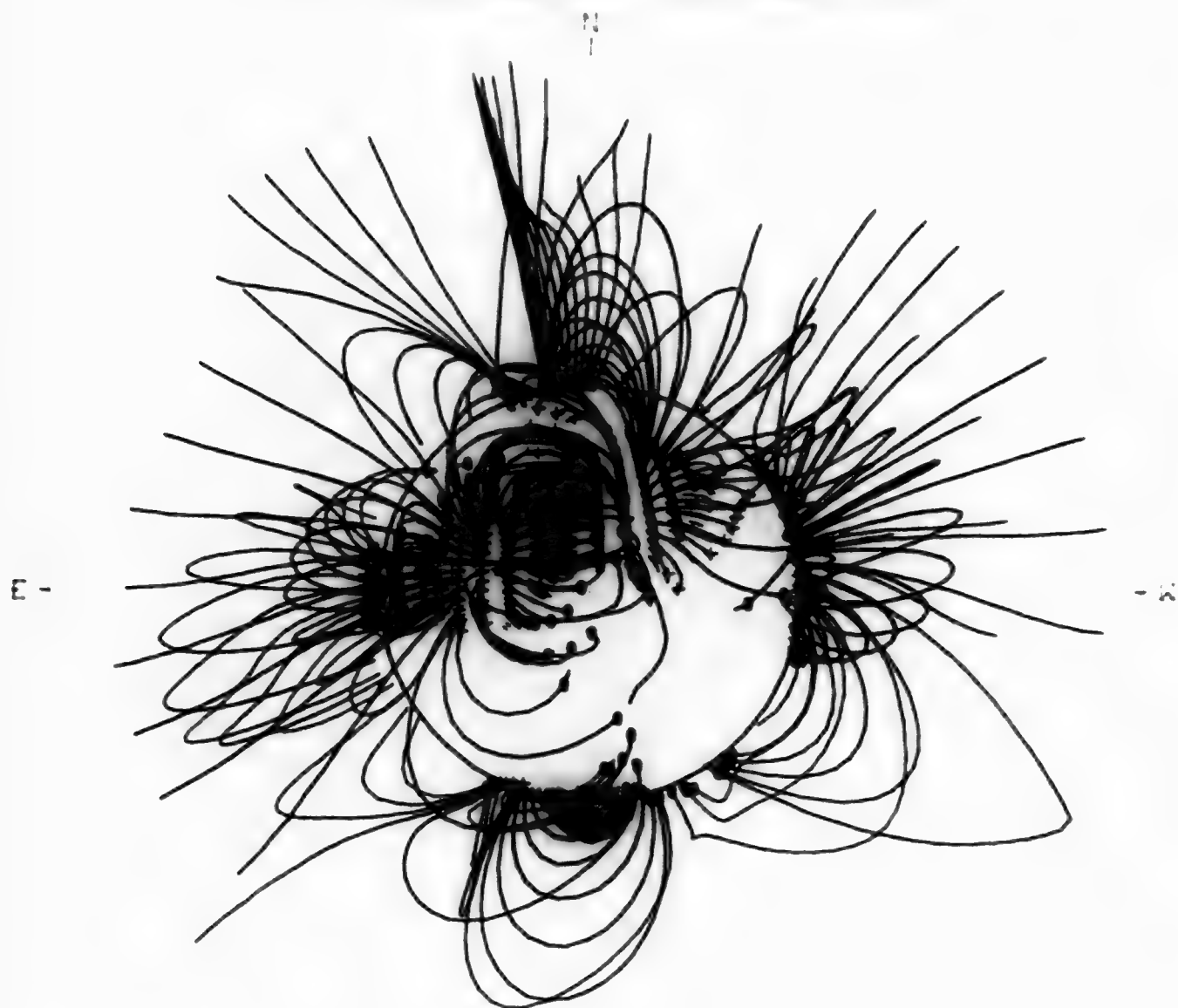


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.44

1
S

ROT. 1475 LONG. 220°
18.2 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

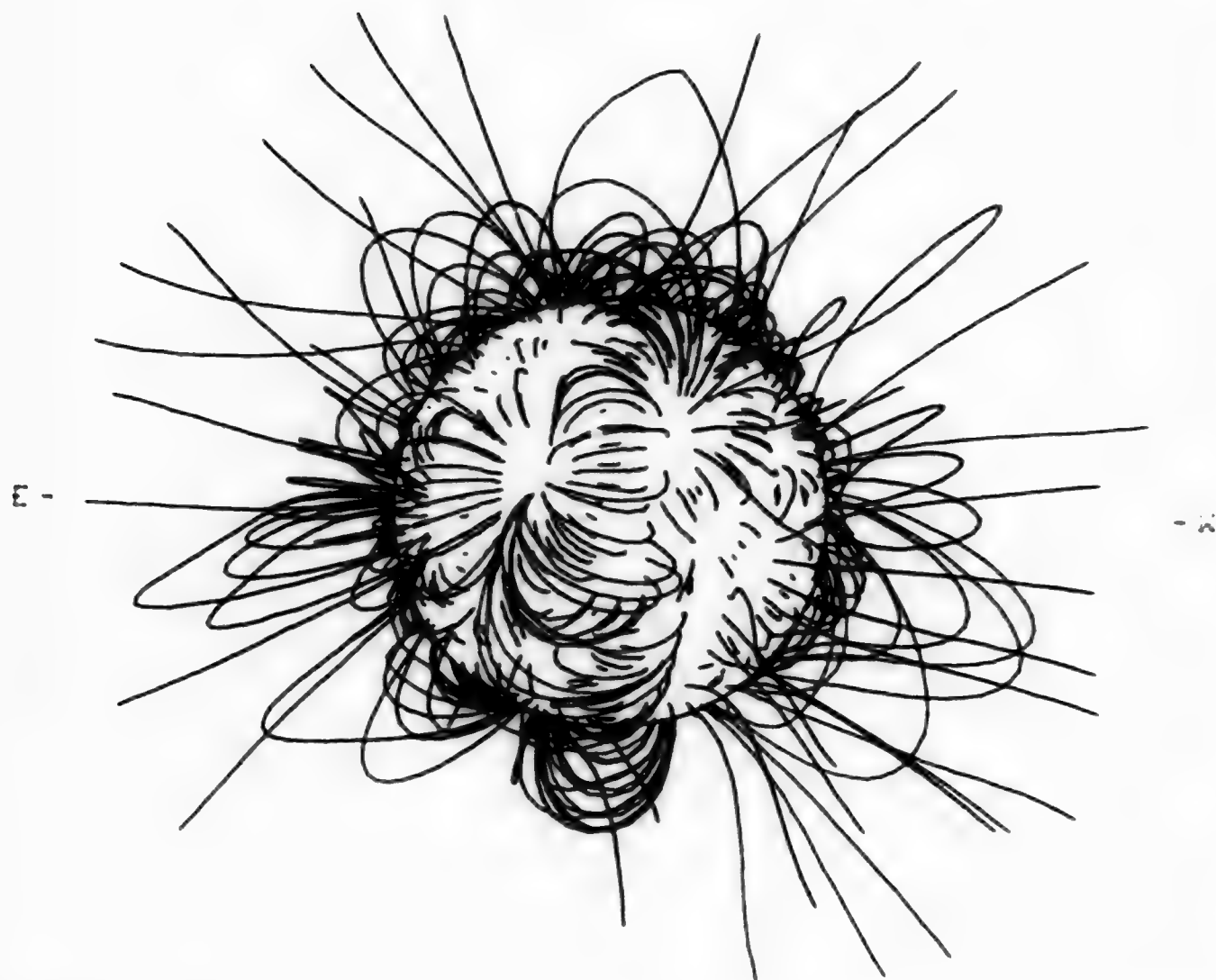
POLES AVERAGED

DATA WINDOW 1474.44

:
S

RUT. 1475 LONG. 221°
18.2 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

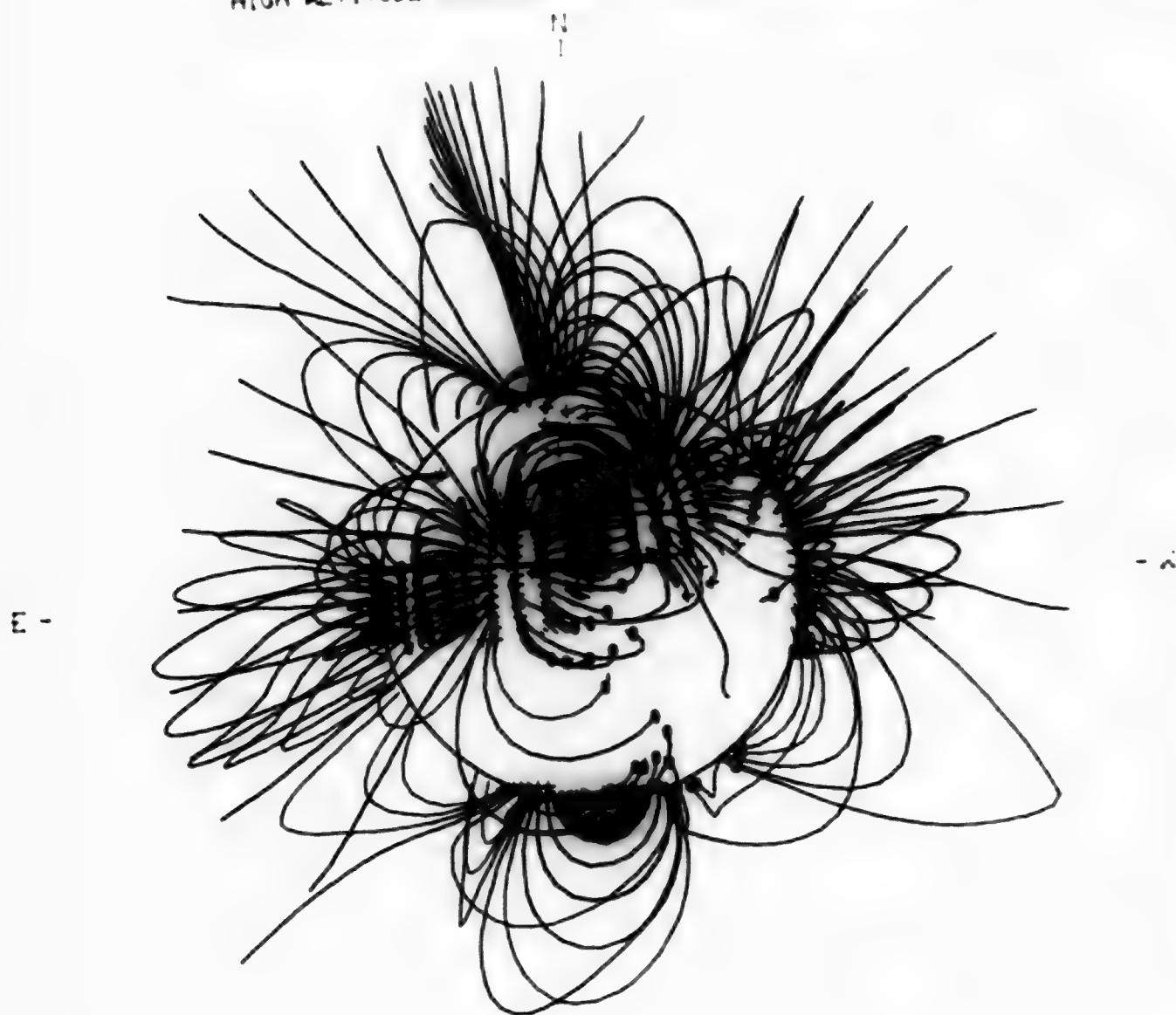
DATA WINDOW 1474.44

S

REL. 1475 1010.210°

18.3 101 1015

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

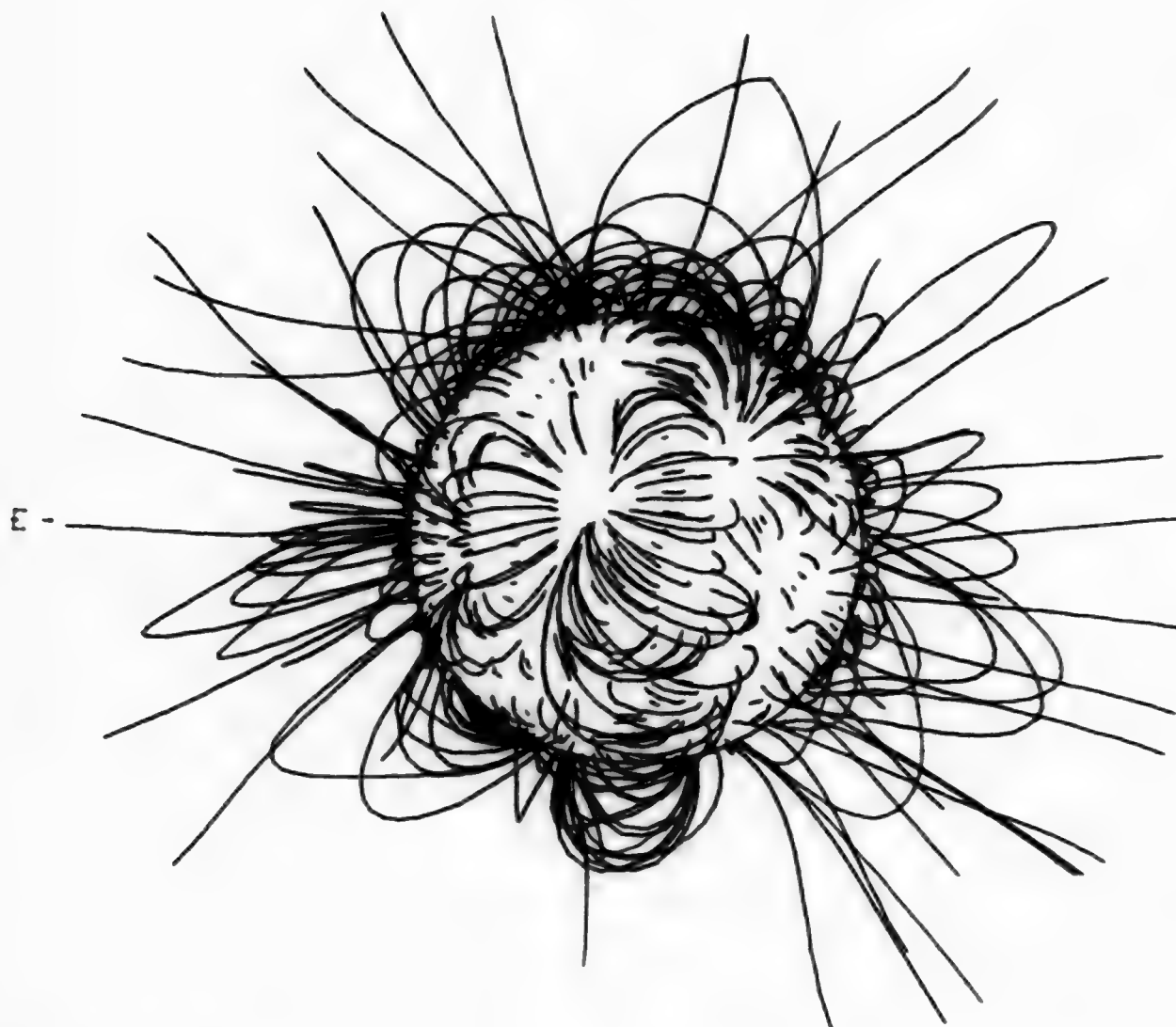


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.44

ROT. 1275 LONG. 210°
18.9 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

11
1



QUALITY GOOD

POLES AVERAGED

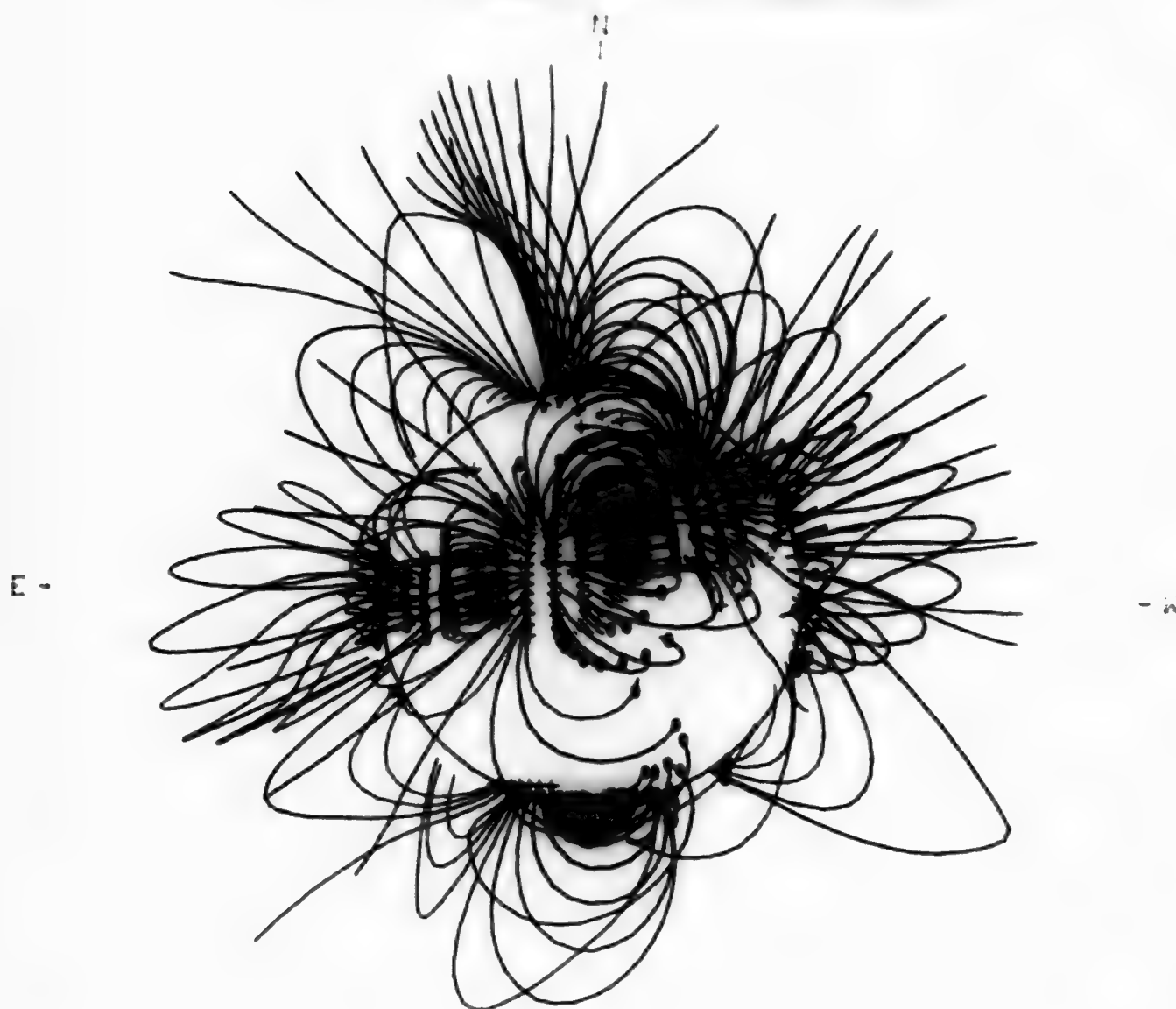
DATA WINDOW 1474.44

1
S

ROT. 1475 LONG. 211°

14.7 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1474.44

1
S

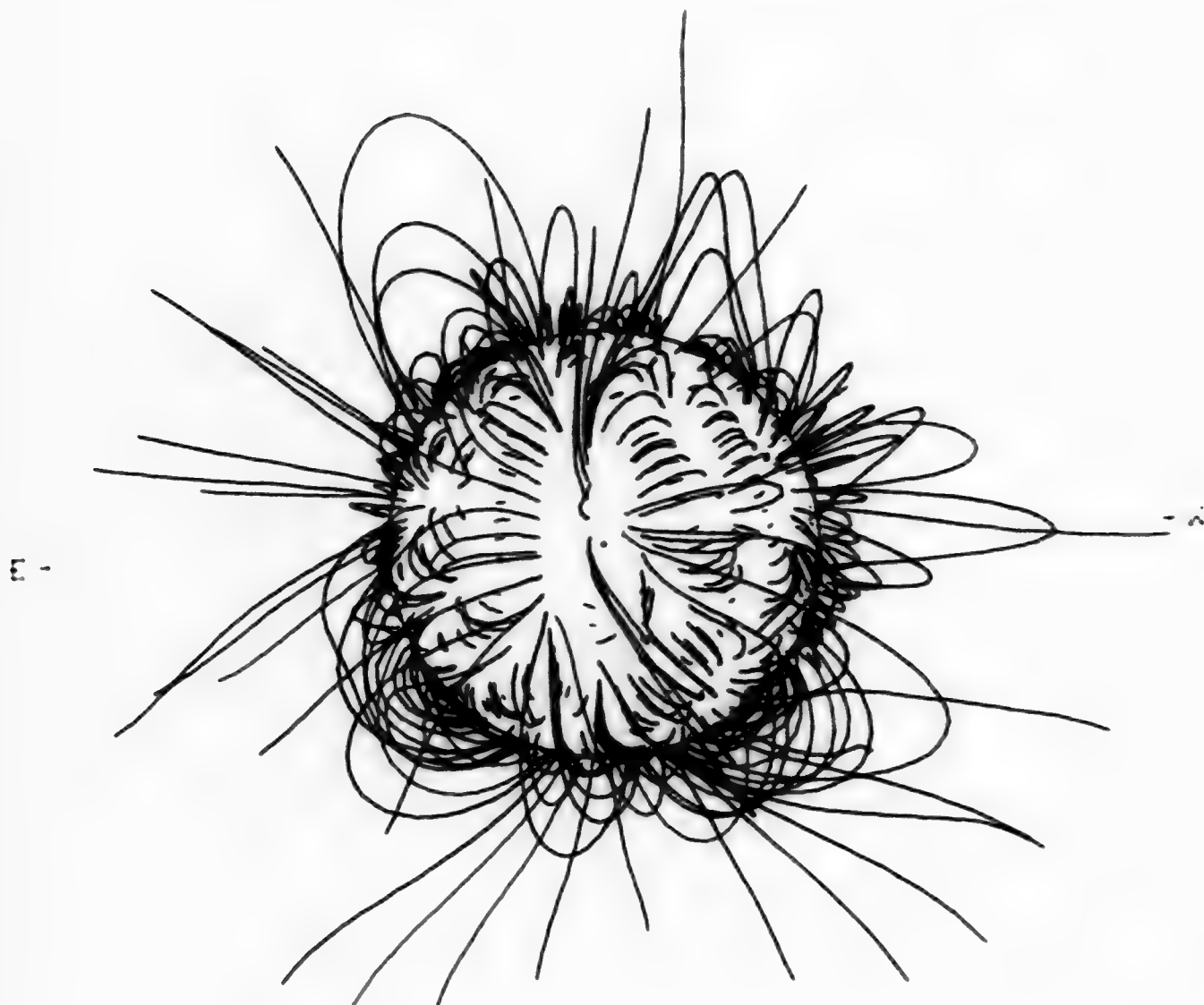
RUT. 1475 1476. 200°
1477 1478 1479

NO OBSERVATIONS

ROT. 1475 LONG. 190--ROT. 1475 LONG. 140

19.8 DEC 1963--24.3 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

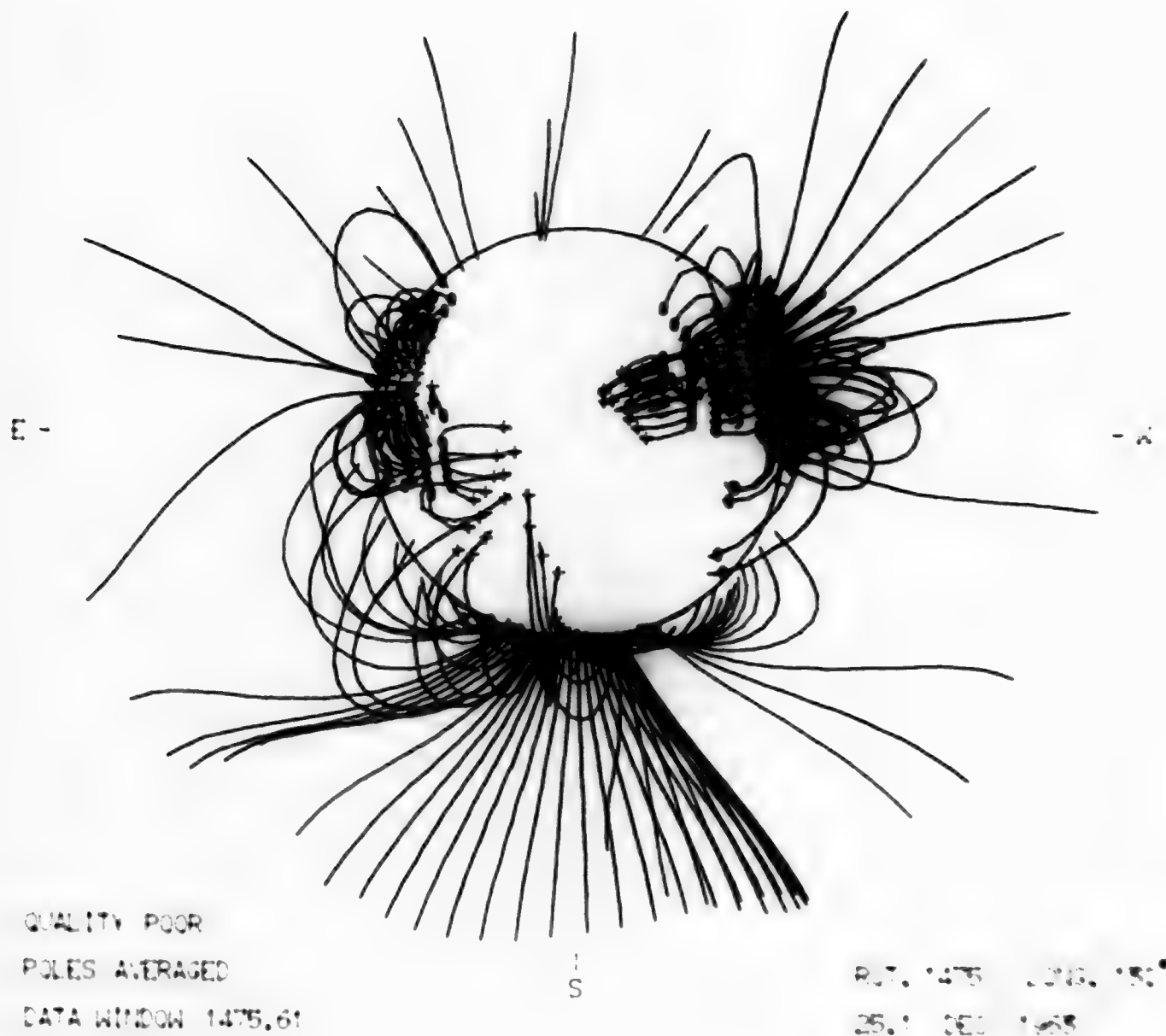


QUALITY PLOT
FILES AVERAGED
DATA WINDOW 1475.61

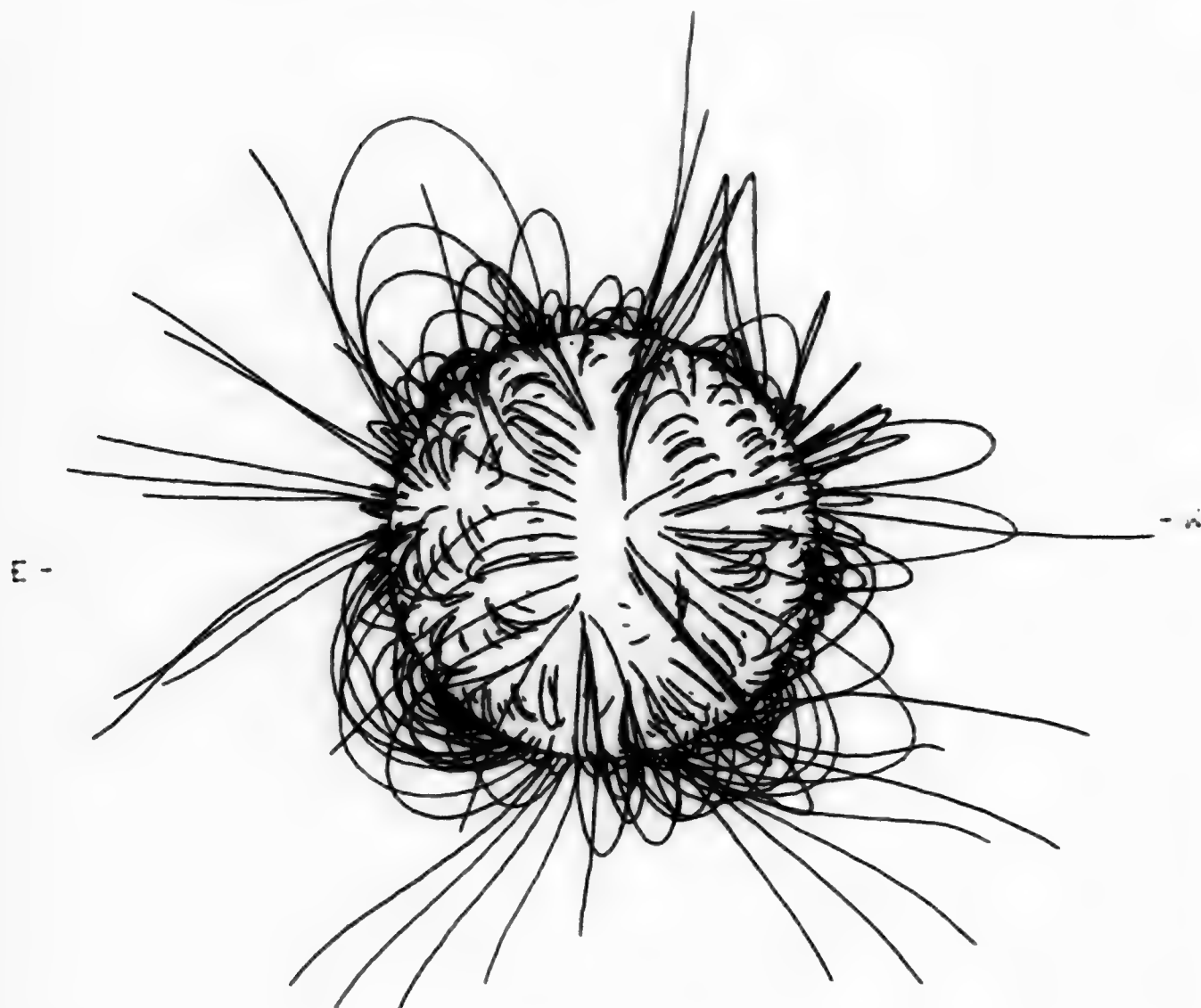
S

R.T. 1475 JUN. 1981
25.1 DE 1981

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



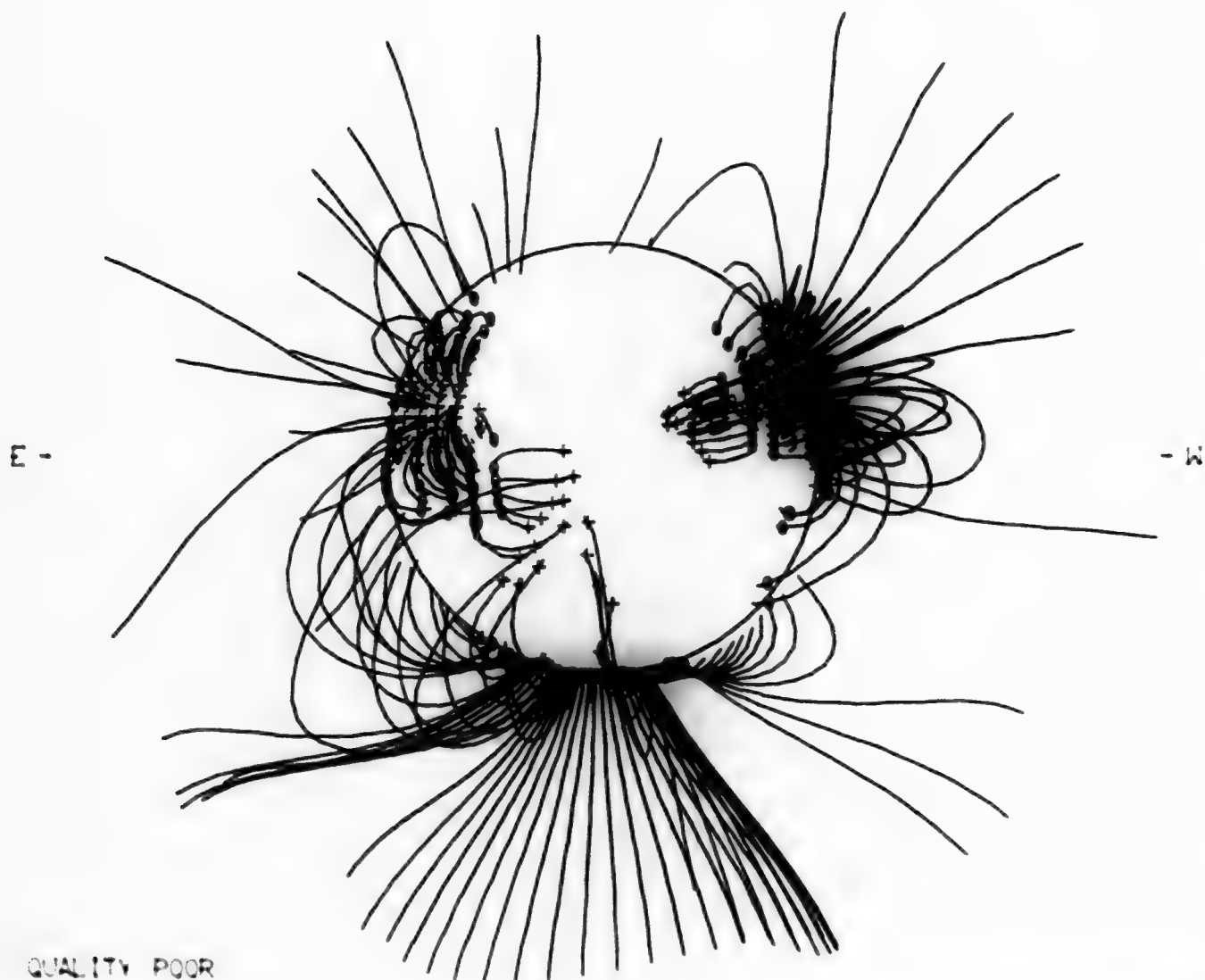
QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

S

ROT. 1475 1475.121°
25.8 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|



QUALITY POOR

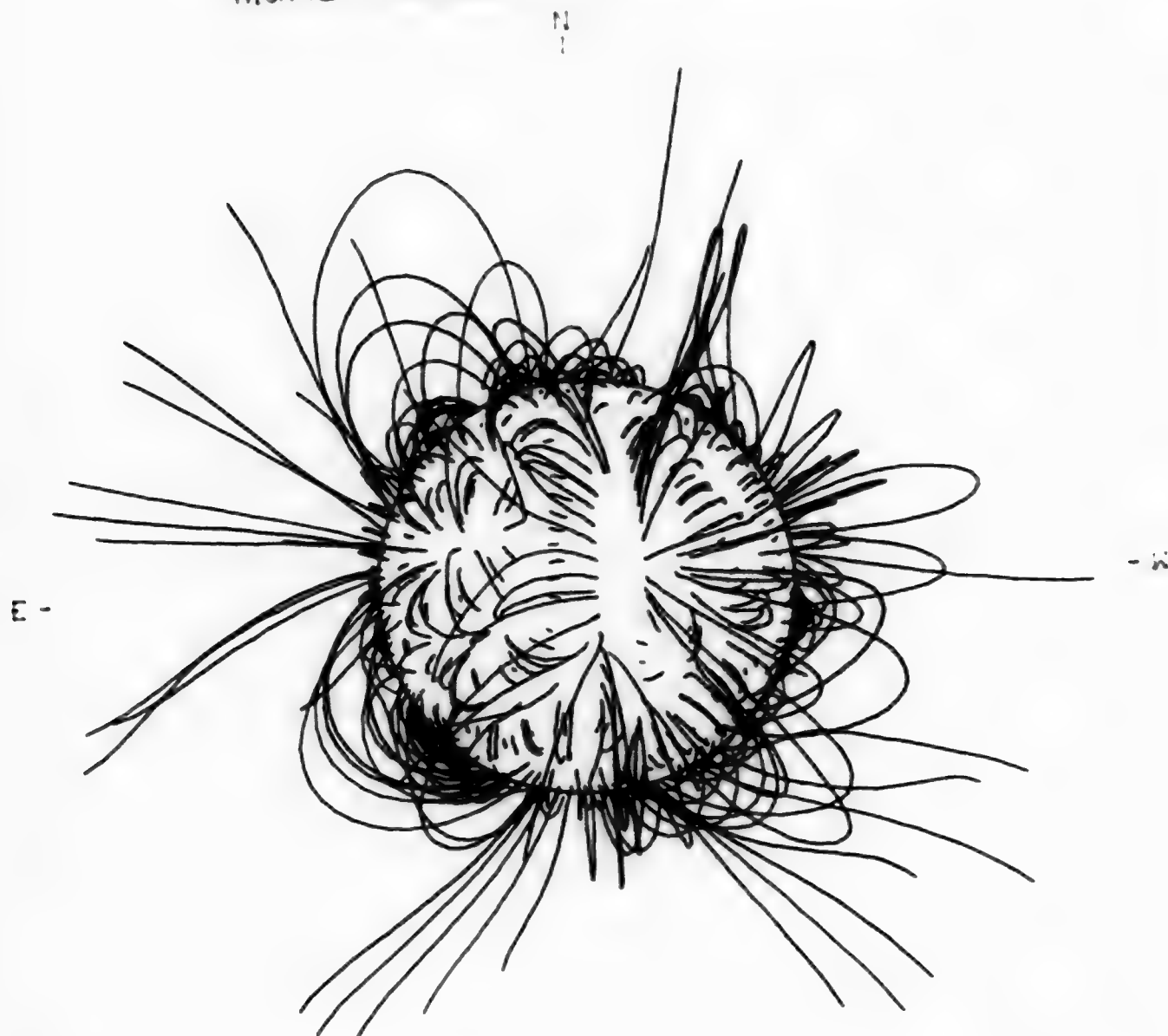
POLES AVERAGED

DATA WINDOW 1475.61

|
S

ROT. 1475 LONG. 120°
25.8 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

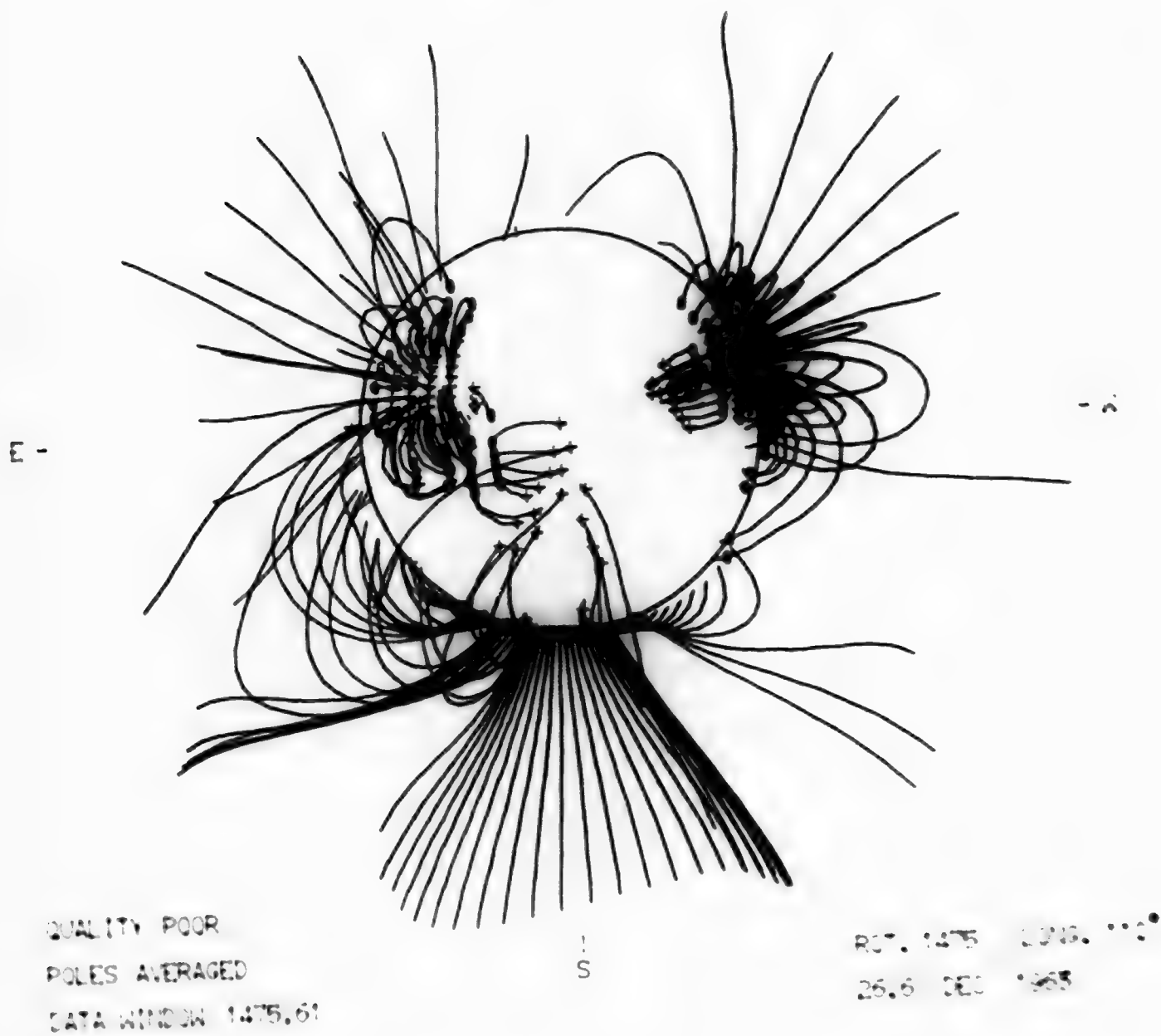


QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

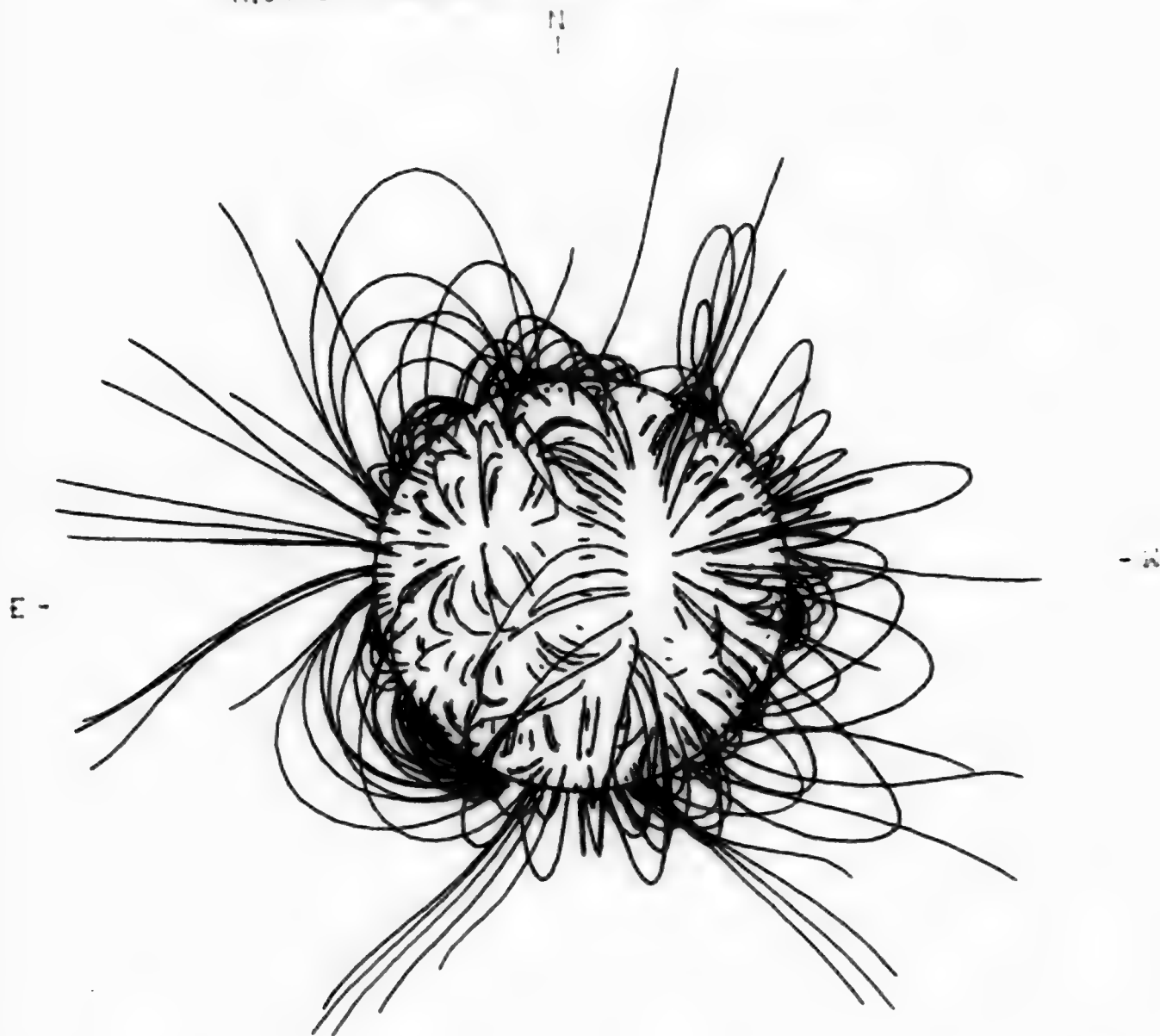
1
S

ROT. 1475 LONG. 1475
26.6 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

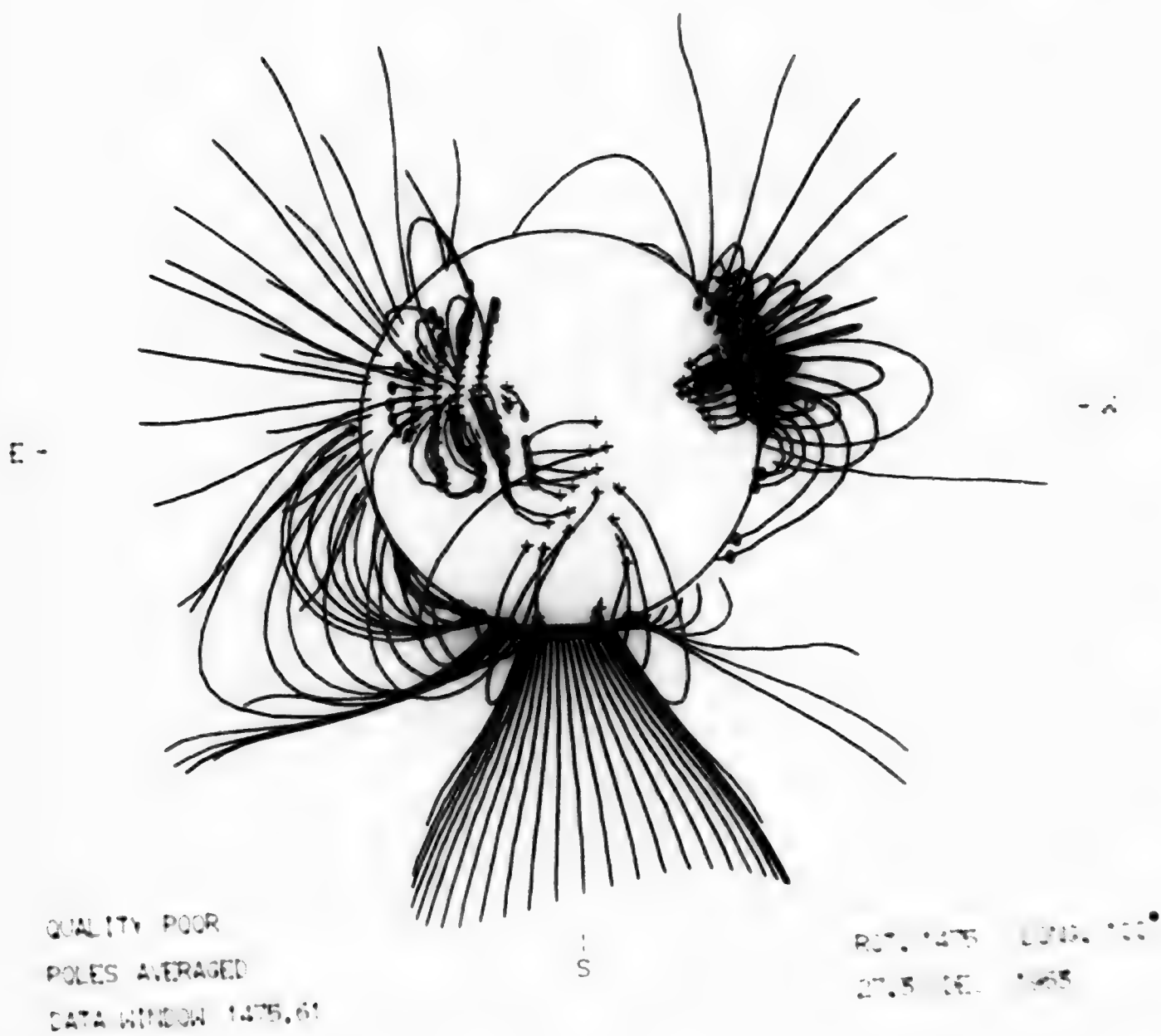


QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

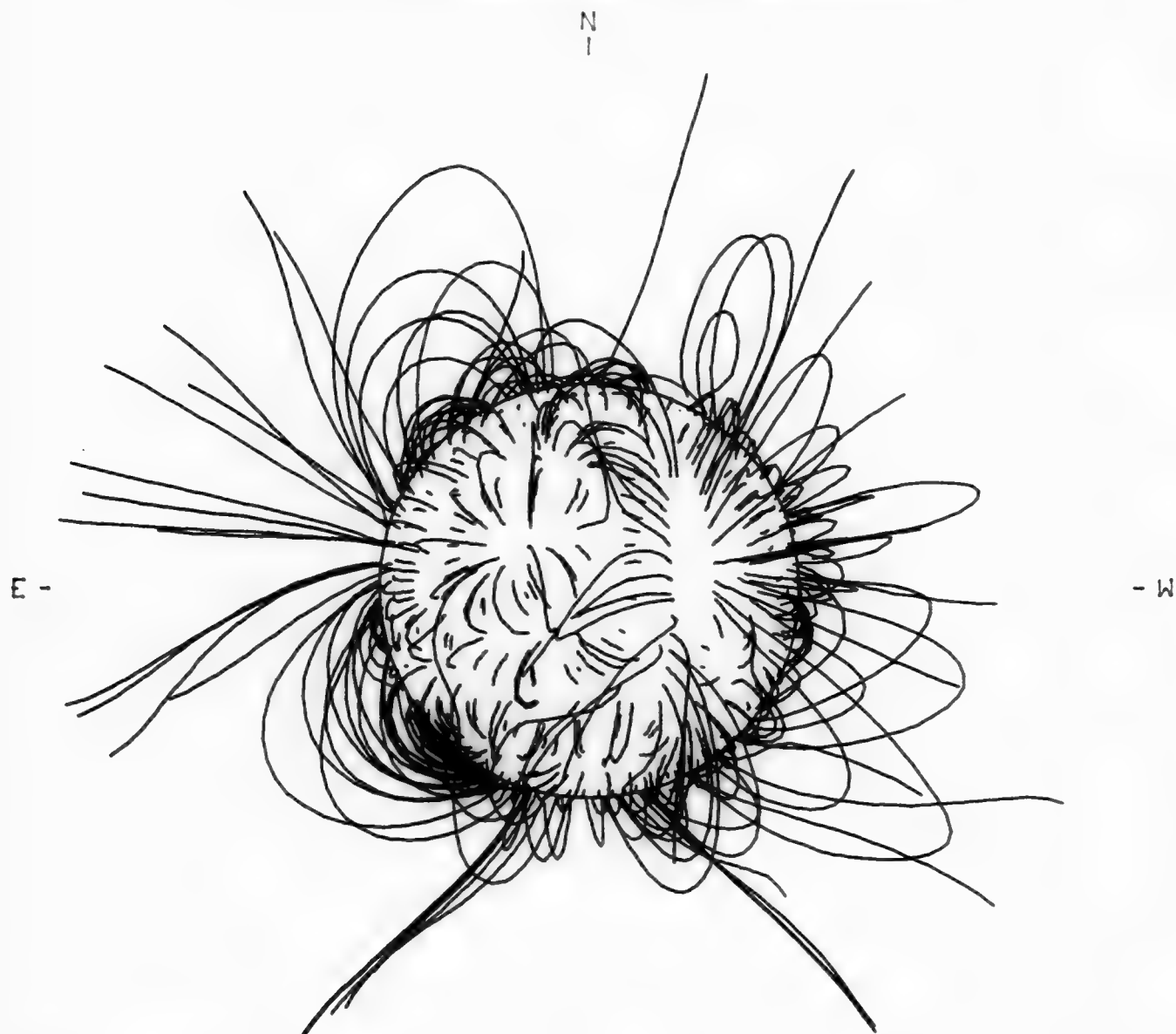
S

RUT. 1475 2015. 111
27.3 11. 1475

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

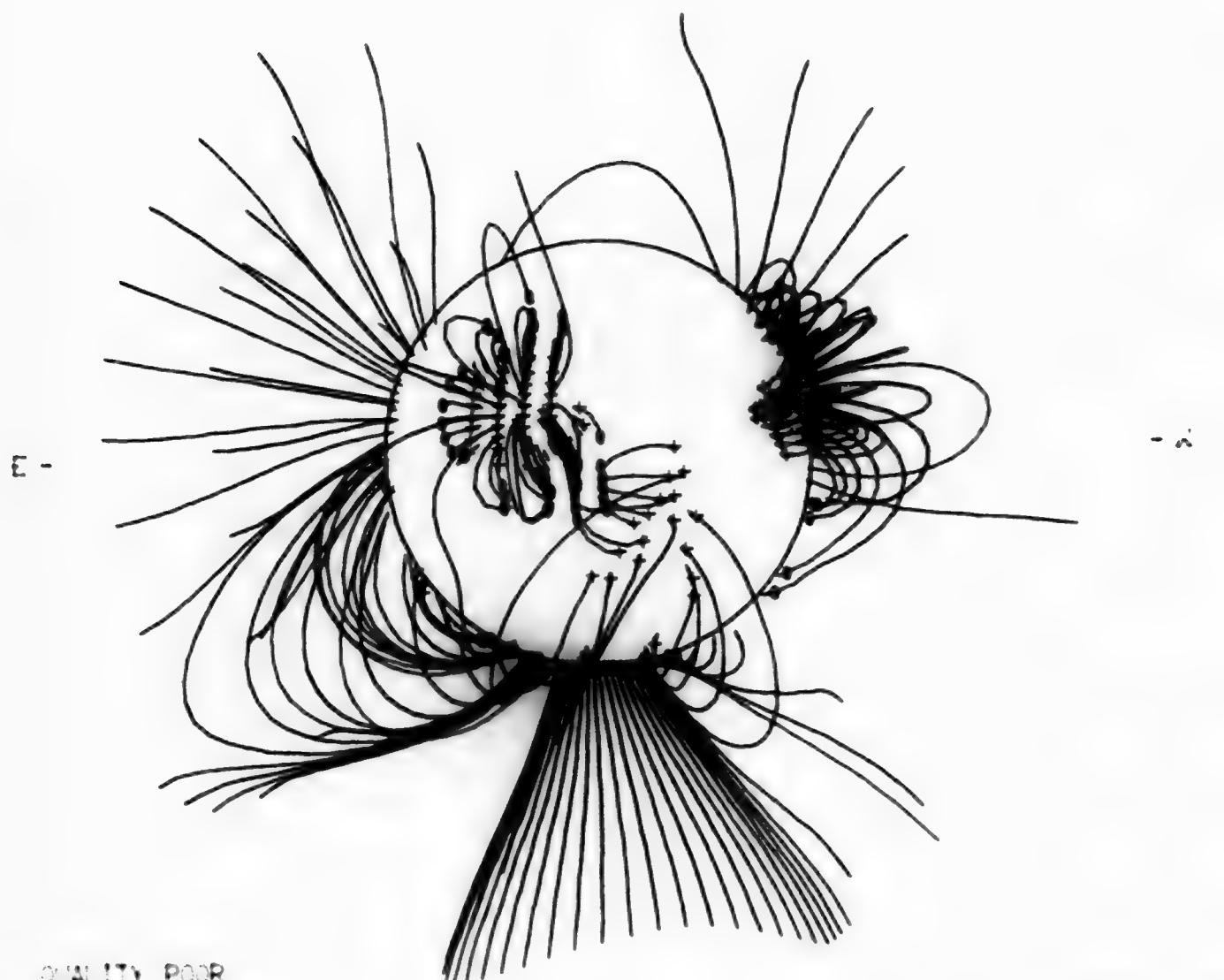
DATA WINDOW 1475.61

1
S

ROT. 1475 LONG. 90°

28.1 DEC 1963

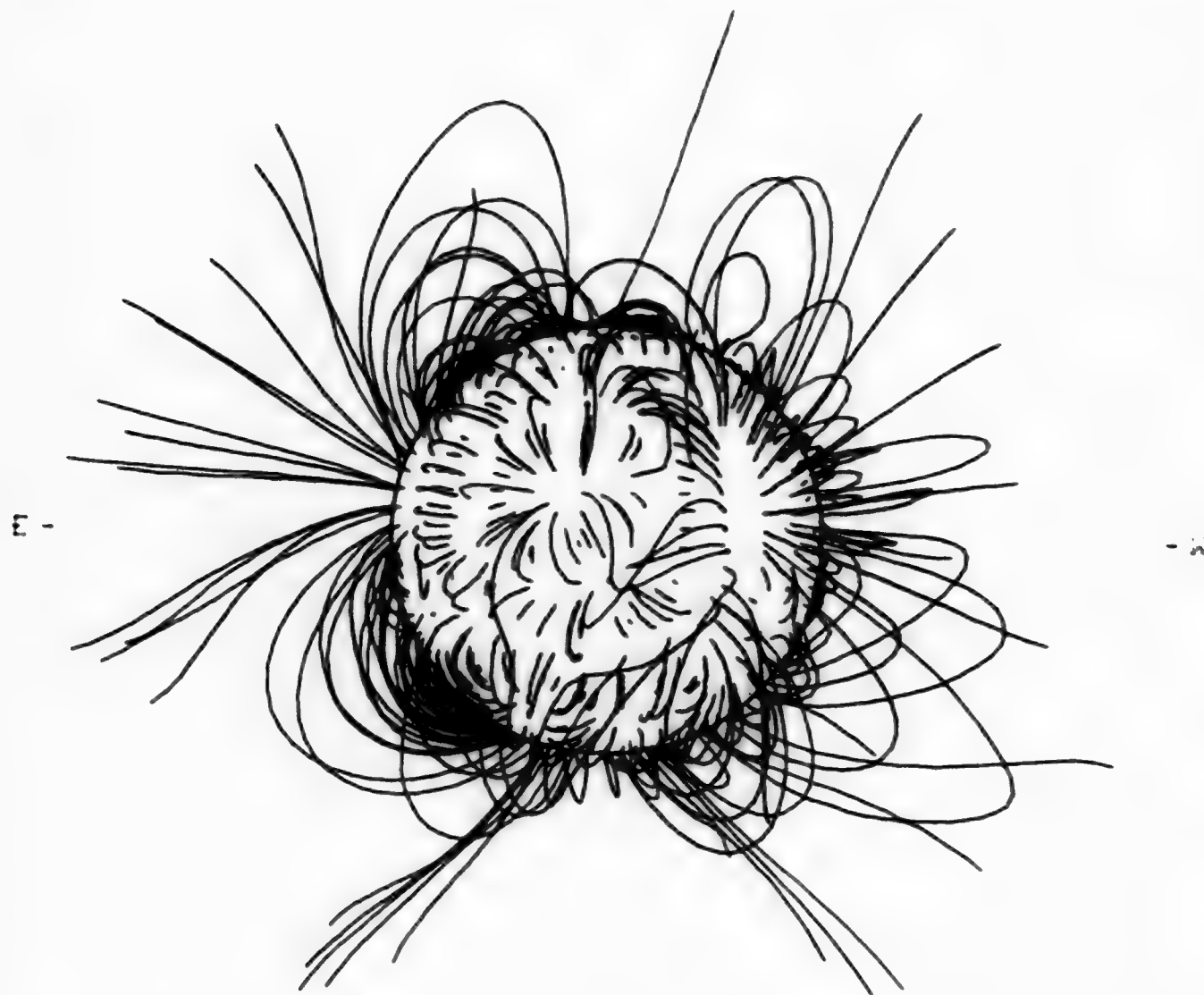
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

ROT. 1475 1.100 40°
28.1 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

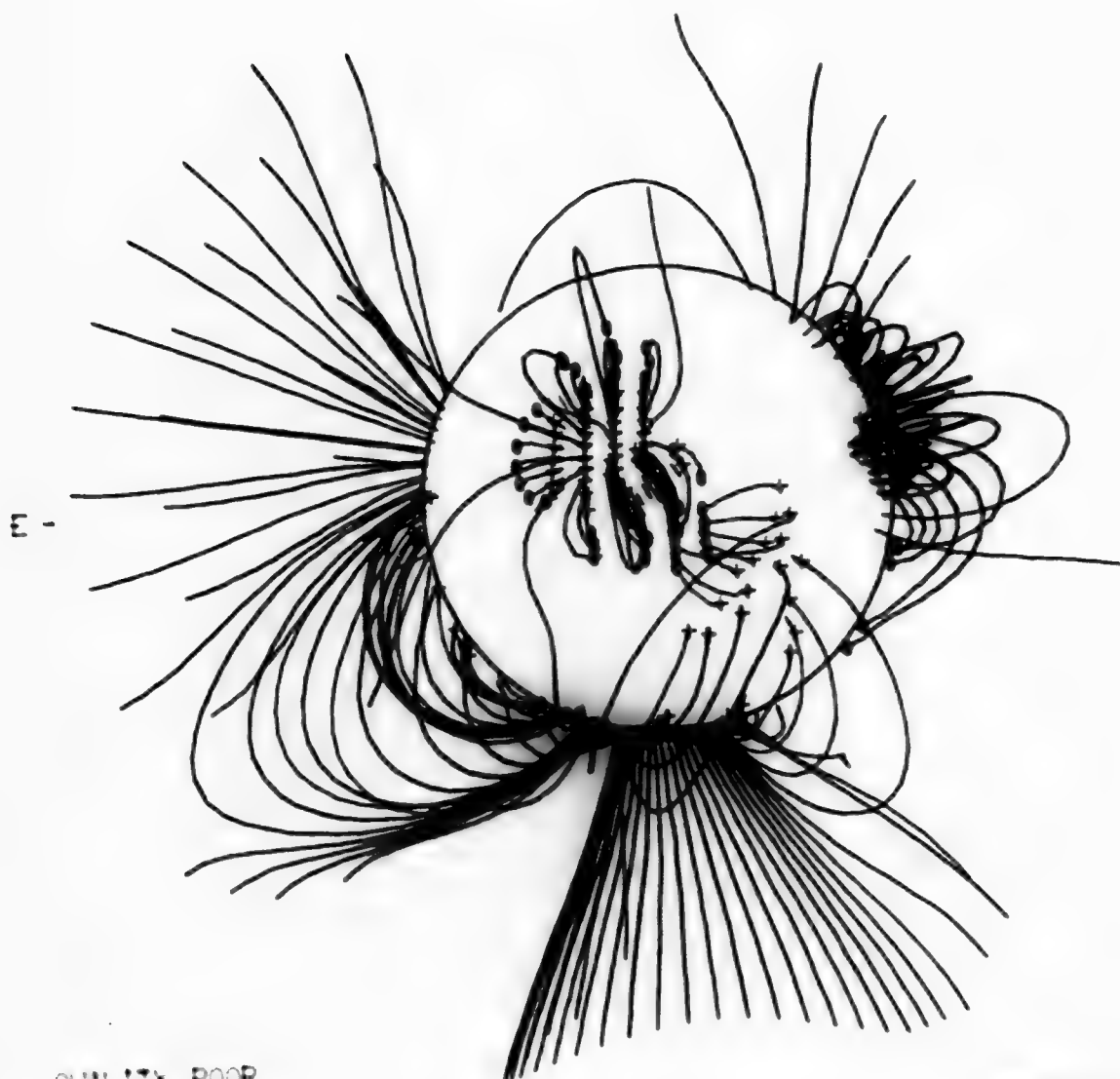
DATA WINDOW 1475.61

1
S

ROT. 1475 2013. 80°

28.9 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

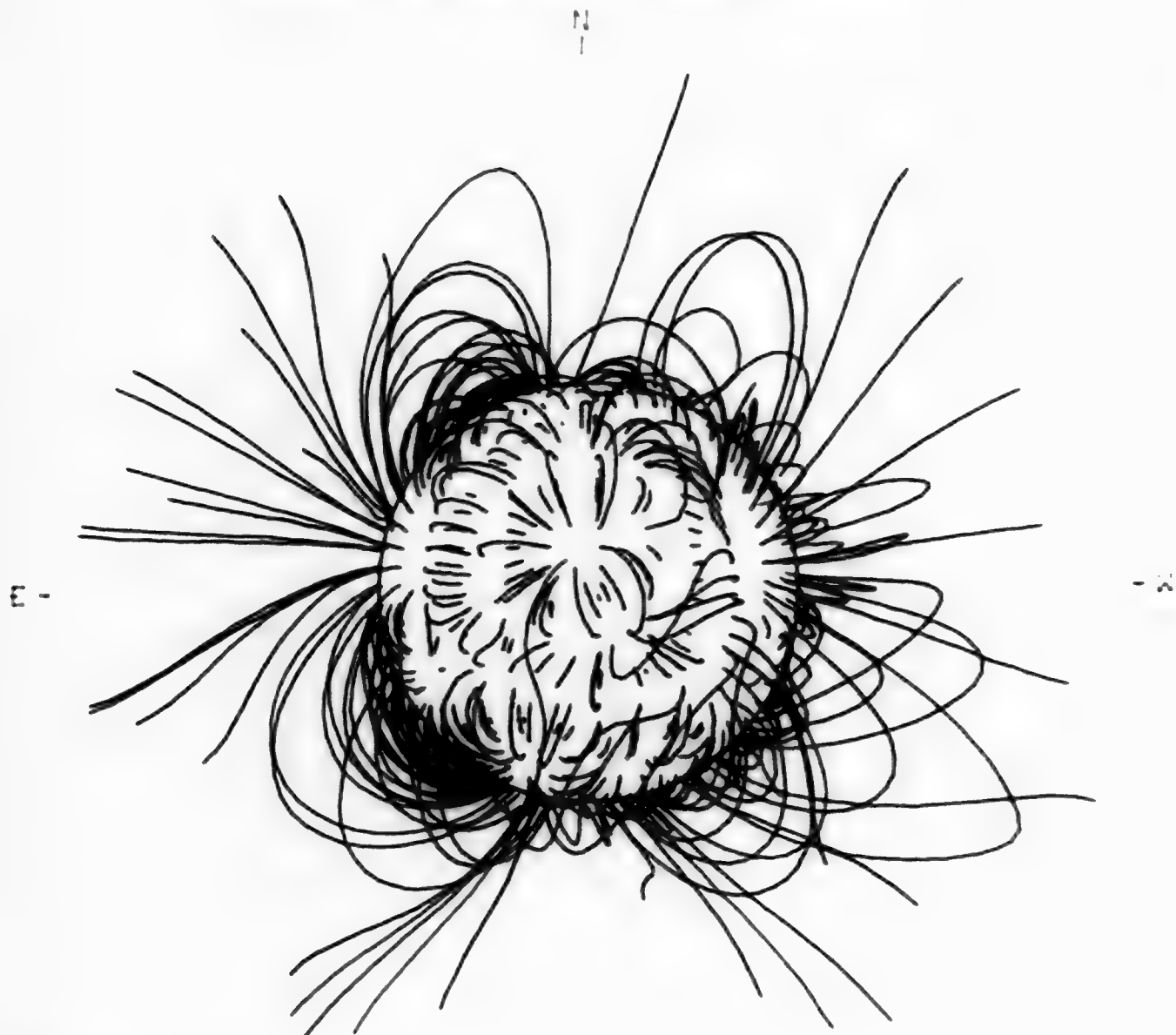


QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

S

207.1475 1216.61
28.9 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

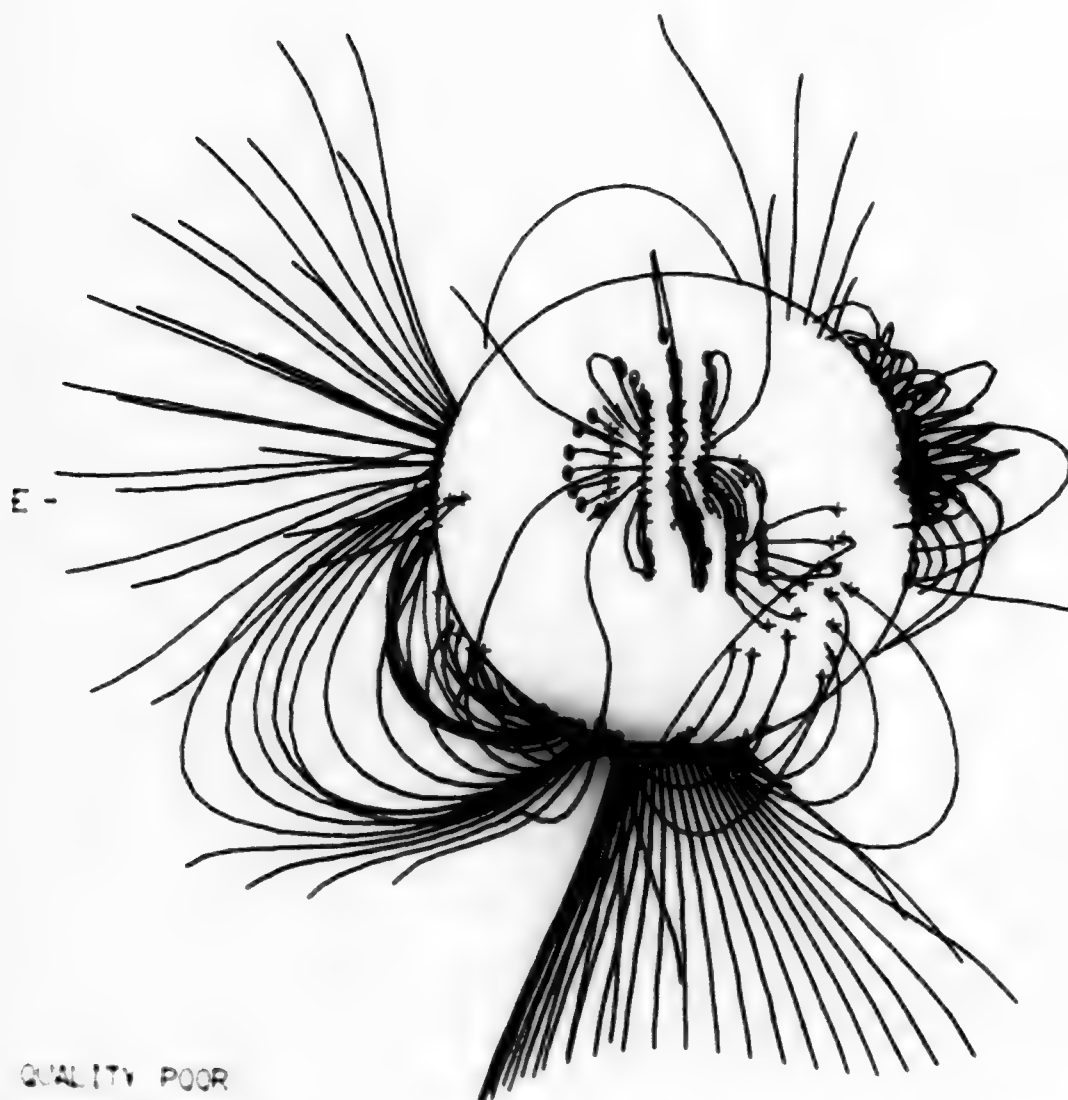
DATA WINDOW 1475.61

1
S

RET. 1475 LONG. 71°

24.6 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

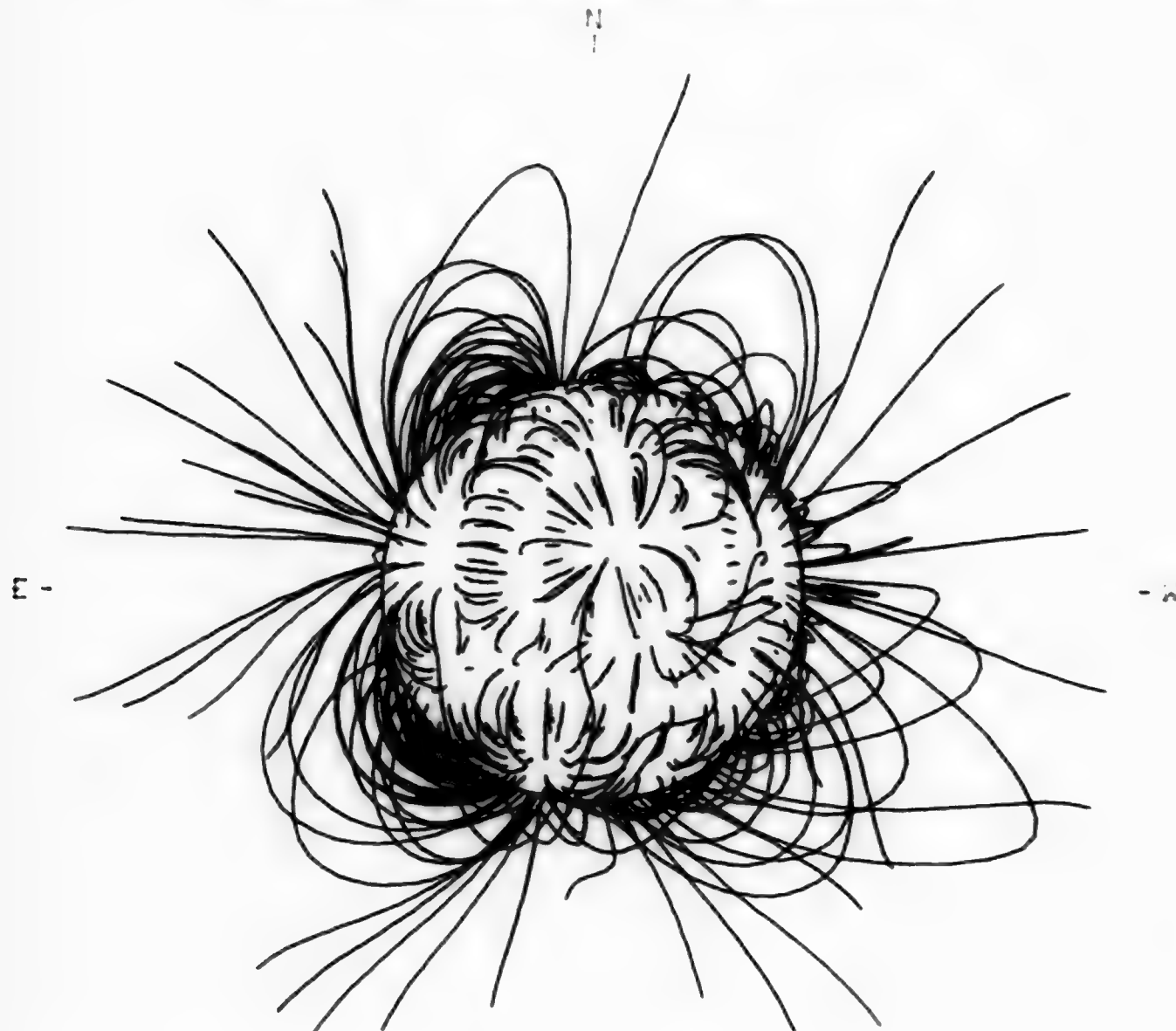


QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

S

ROT. 1475 LONG. 70°
29.6 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

1
S

RUT. 1475 LONG. 61°

30.4 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

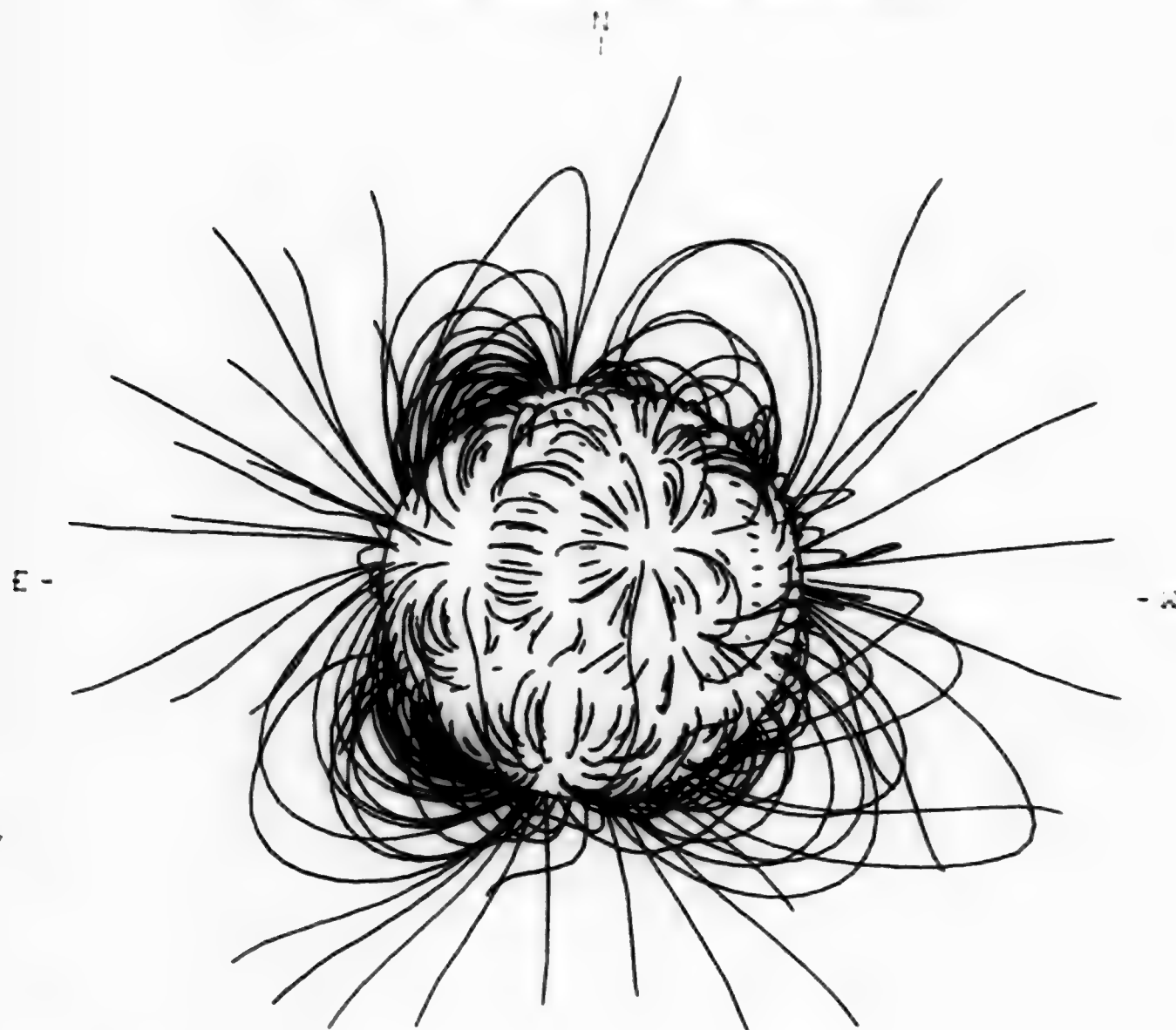


QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

N
S

ROT. 1475 LONG. 60°
30.4 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

S

ROT. 1475 LONG. 51°

31. DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

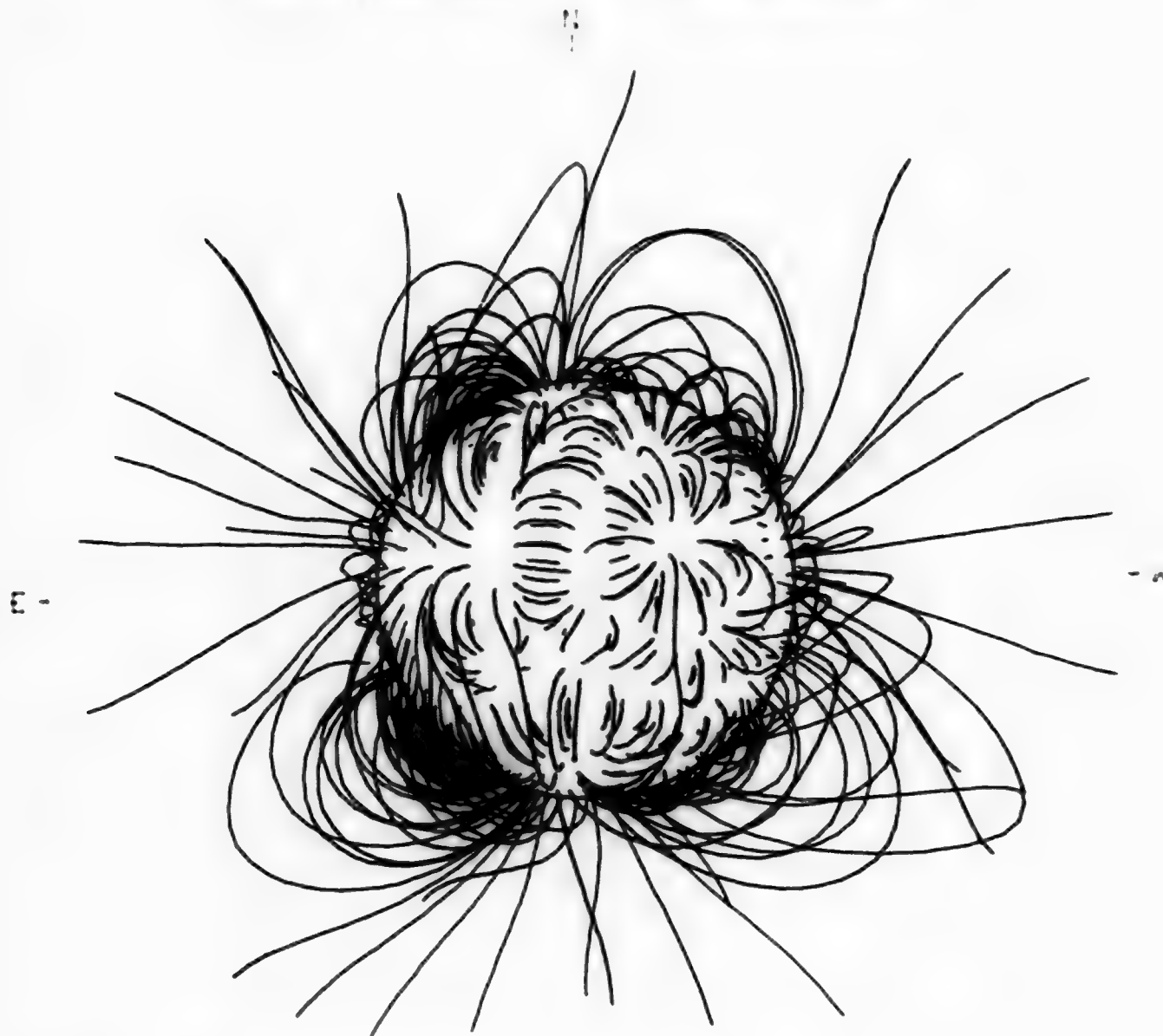
DATA WINDOW 1475.61

S

ROT. 1475 LONG. 50°

31.1 DEC 1965

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



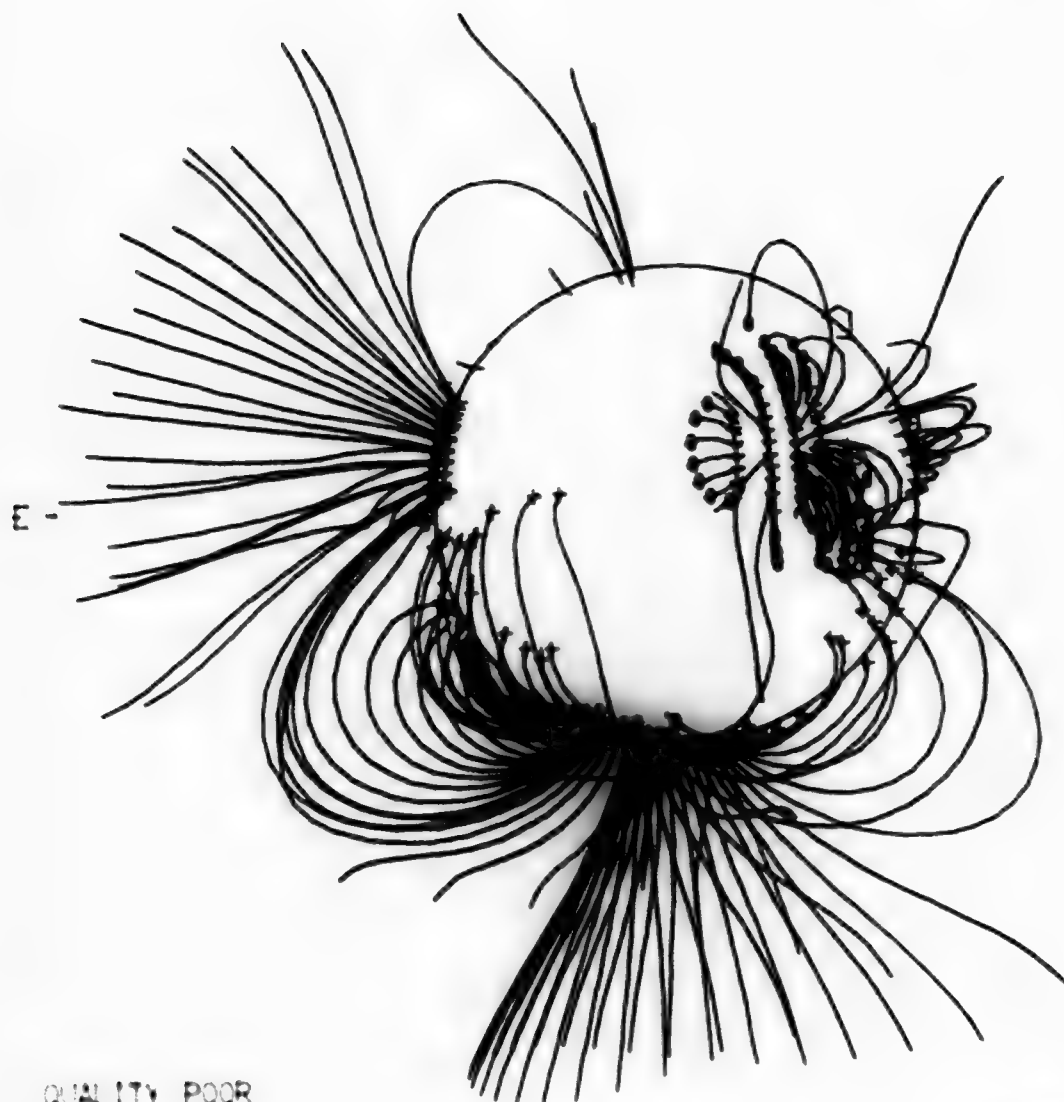
QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

!
S

ROT. 1475 2016. 41°
31.9 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY POOR

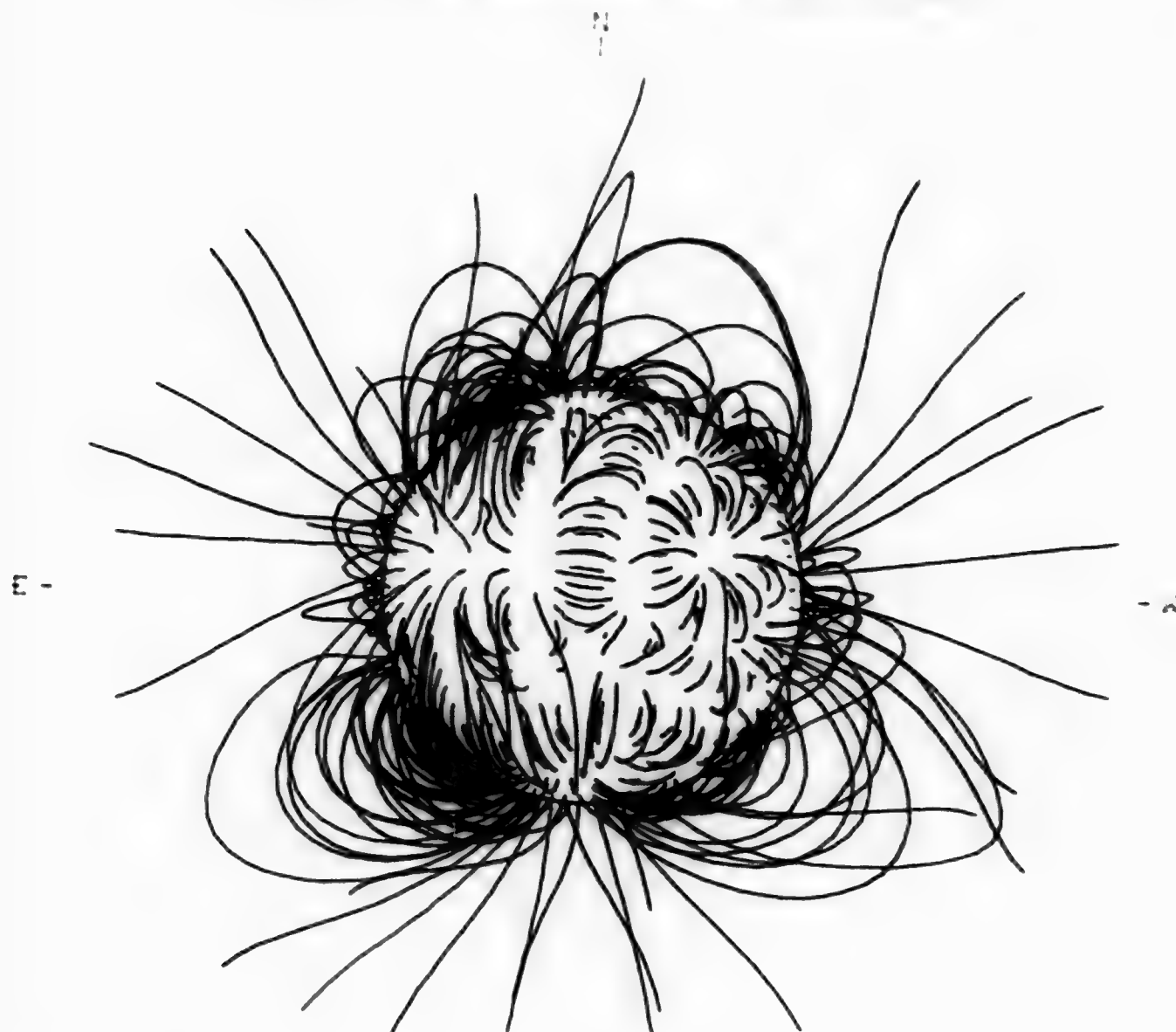
POLES AVERAGED

DATA WINDOW 1475.61

S

ROT. 1475 LONG. 41°
31.9 DEC 1963

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

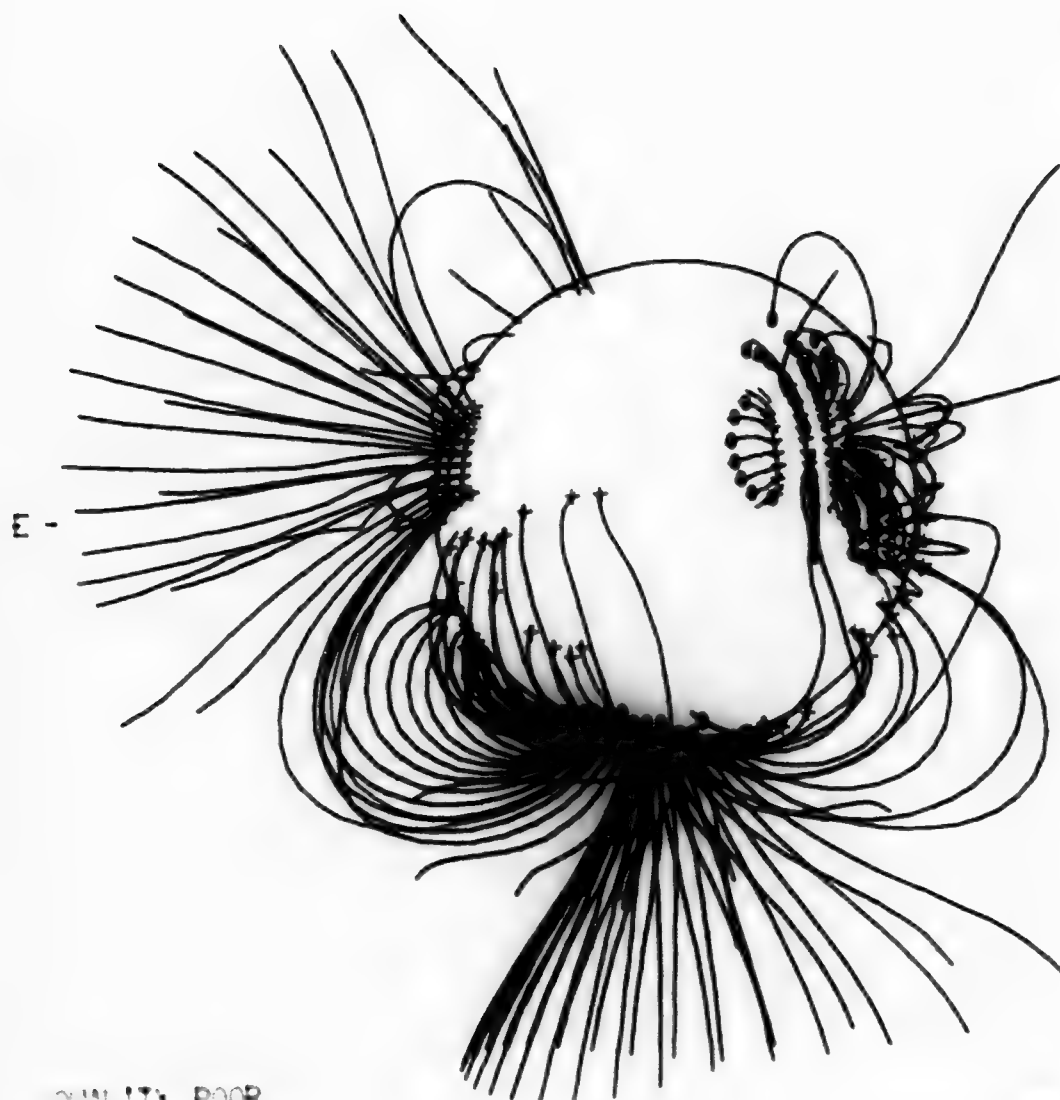
DATA WINDOW 1475.61

S

ROT. 1475 LONG. 30°

1.6 1.6 1.6

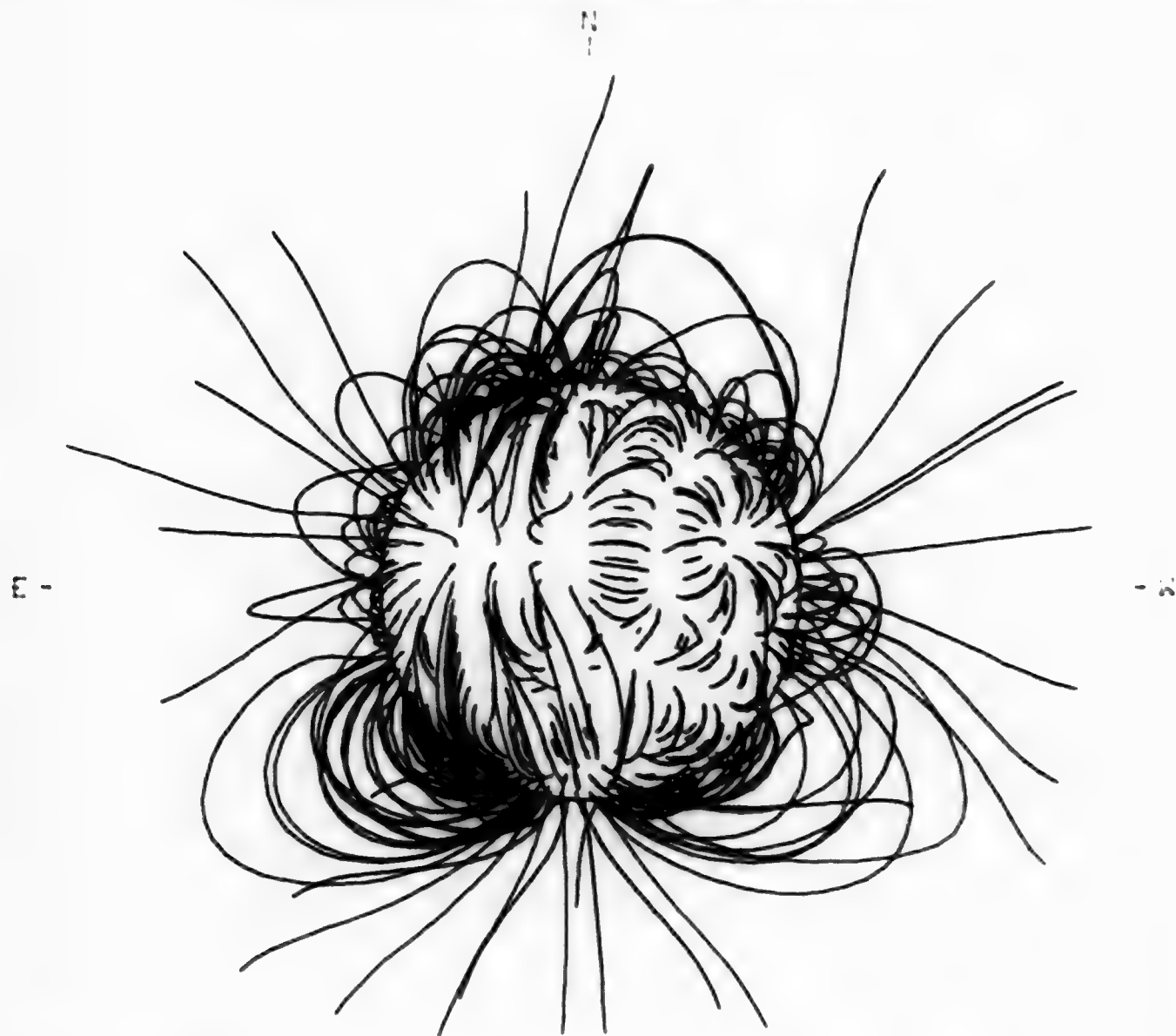
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

ROT. 1475 LONG. 50°
1.6 1475 1475

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

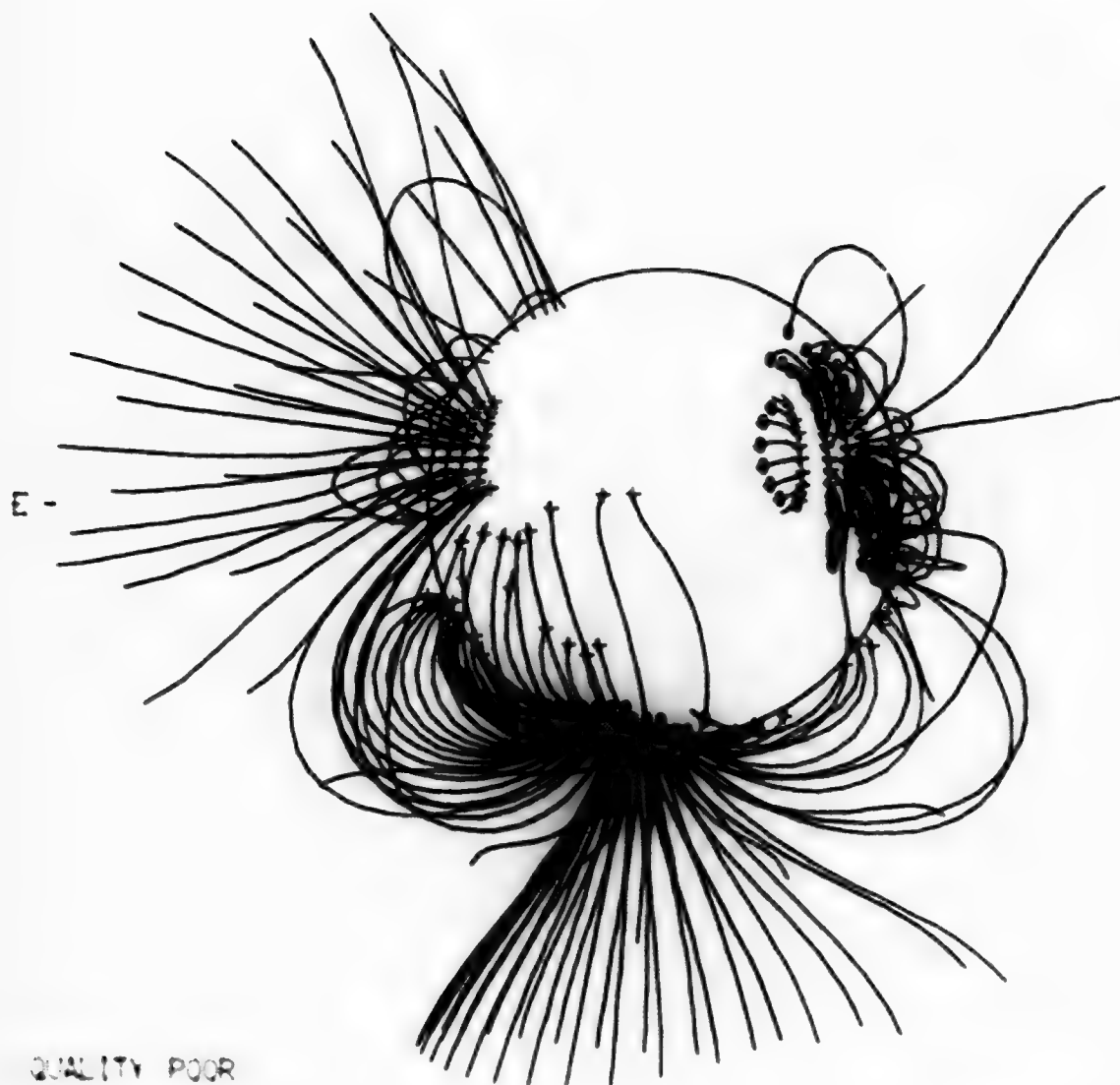
S

ROT. 1475 2016. 20°

2.4 0.21 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

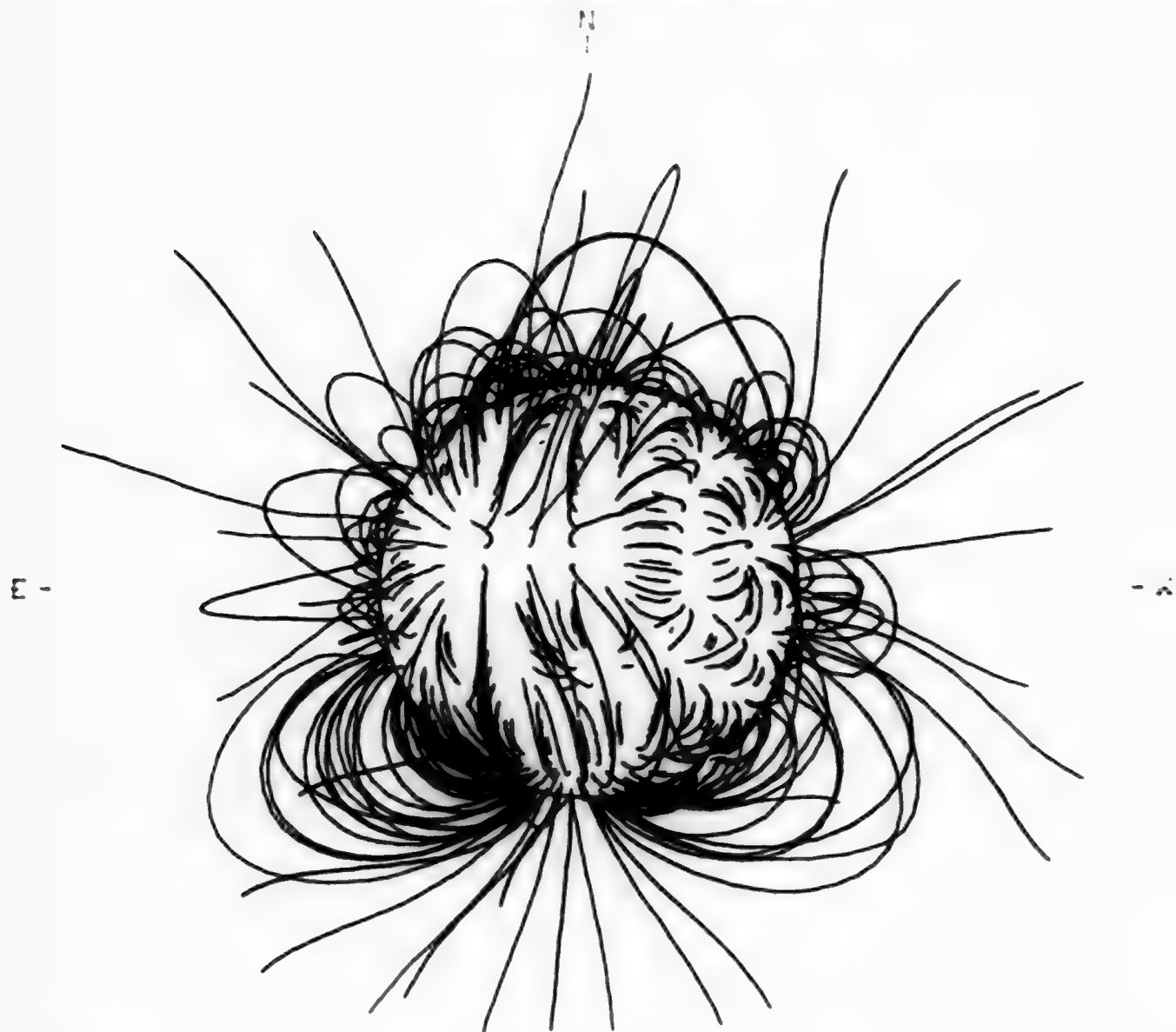


QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

S
|

ROT. 1475 LONG. 20°
2.4 1021 1482

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

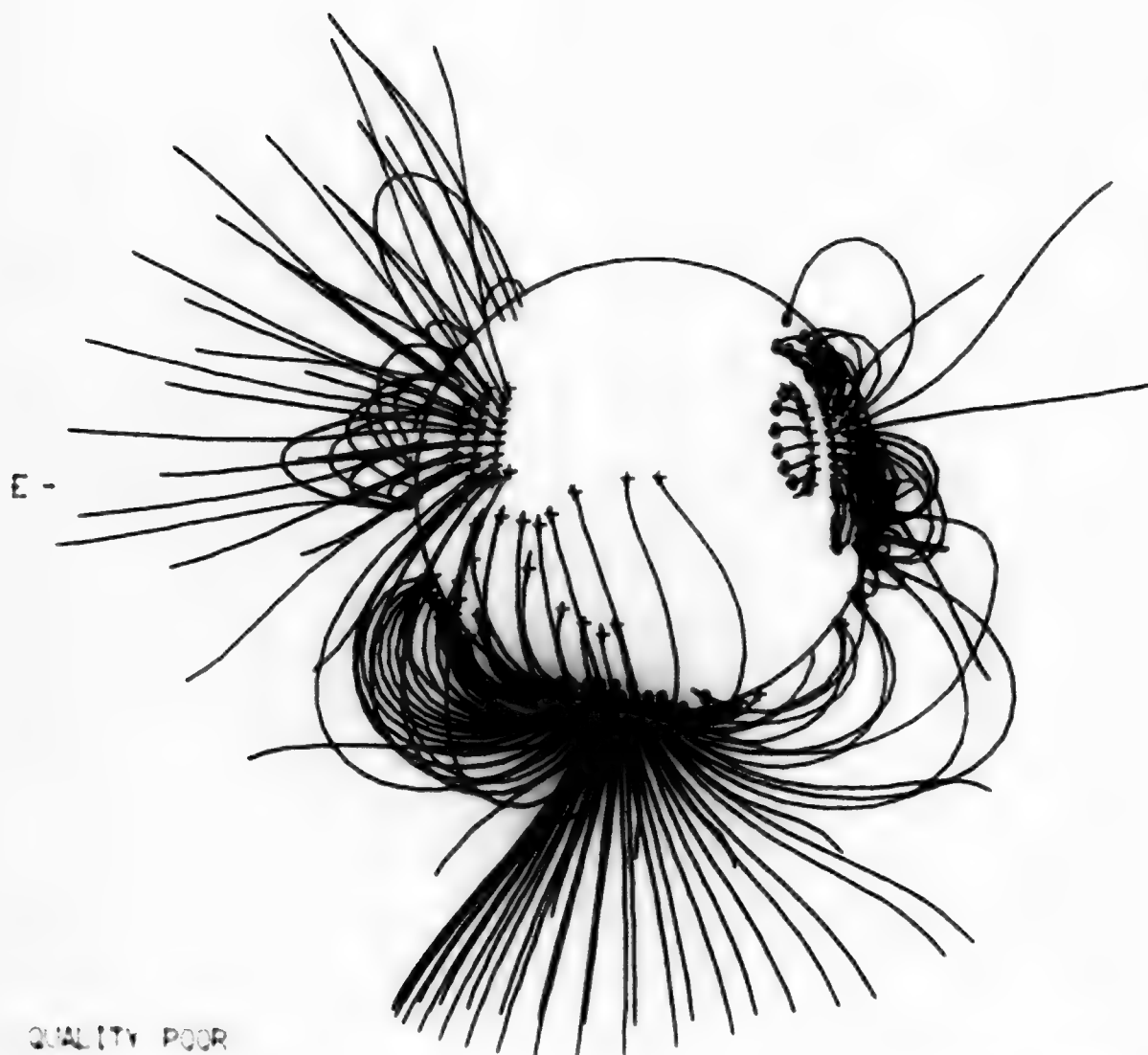
POLES AVERAGED

DATA WINDOW 1475.61

N
S

ROT. 1475 1216. 11°
3.2 1211 1212

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

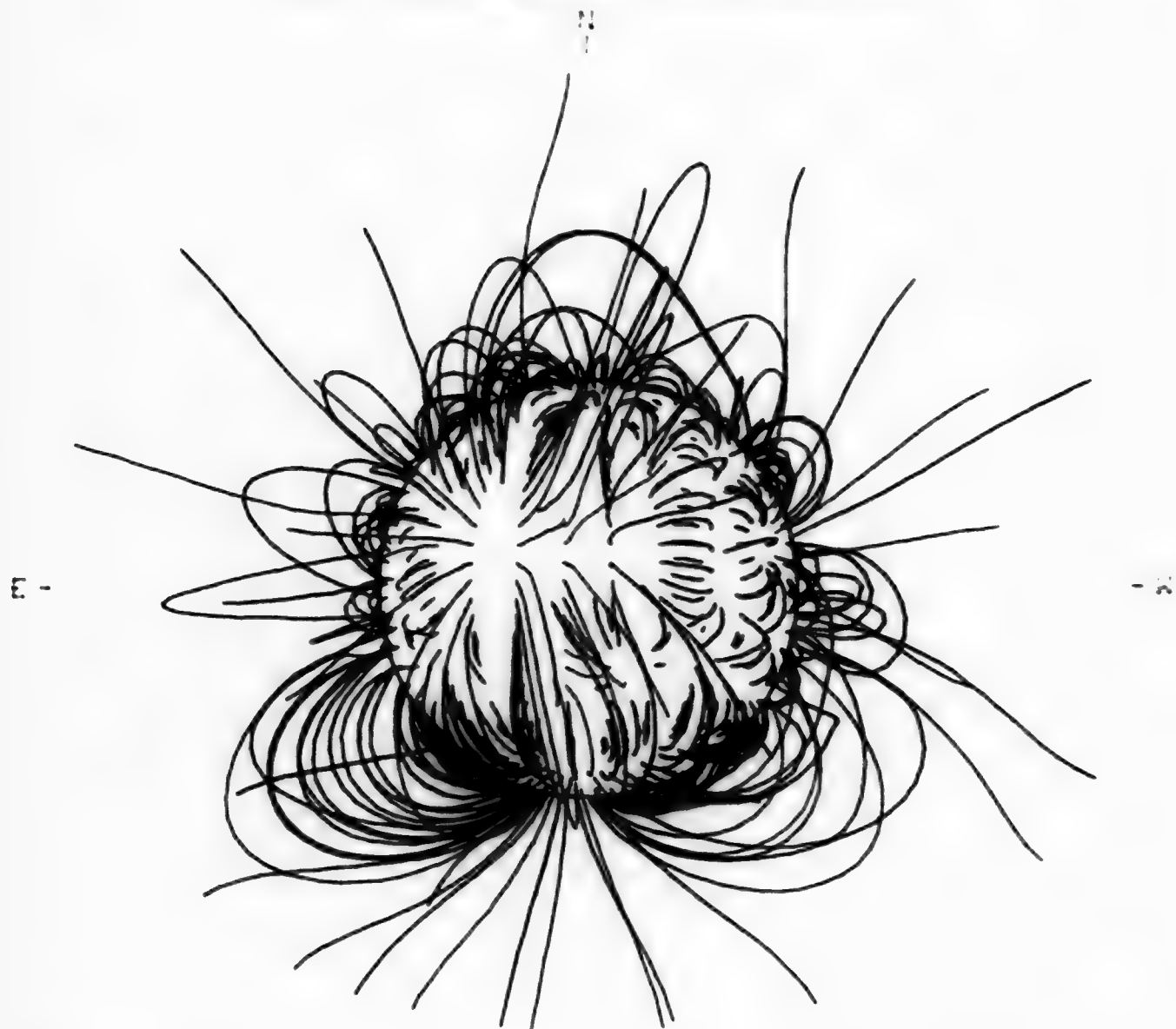
POLES AVERAGED

DATA WINDOW 1475.61

S

ROT. 1475 1475.61
3.2 1475 1475.61

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

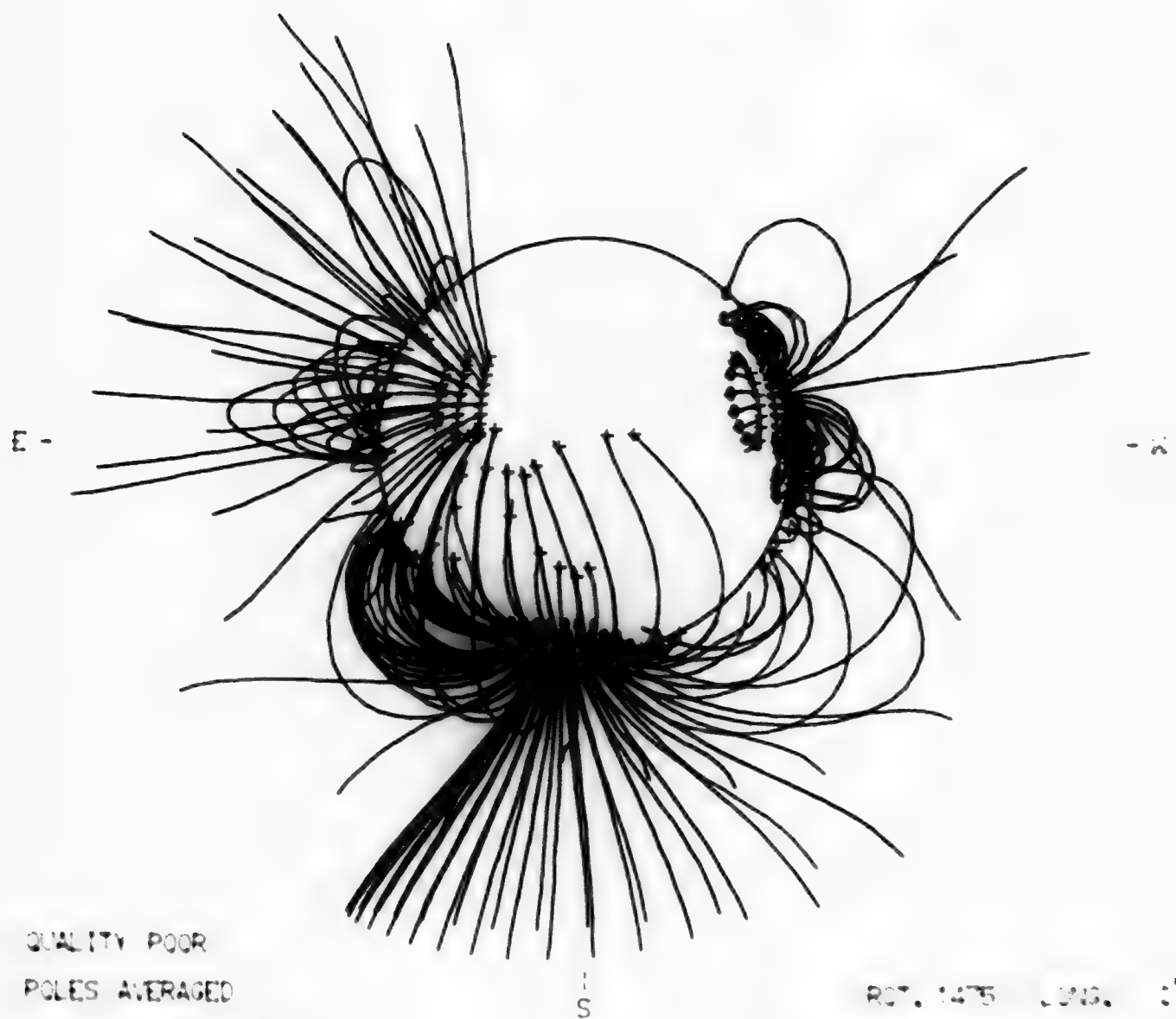
DATA WINDOW 1475.61

1
S

ROT. 1475 1416. 1°

3.9 1416 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



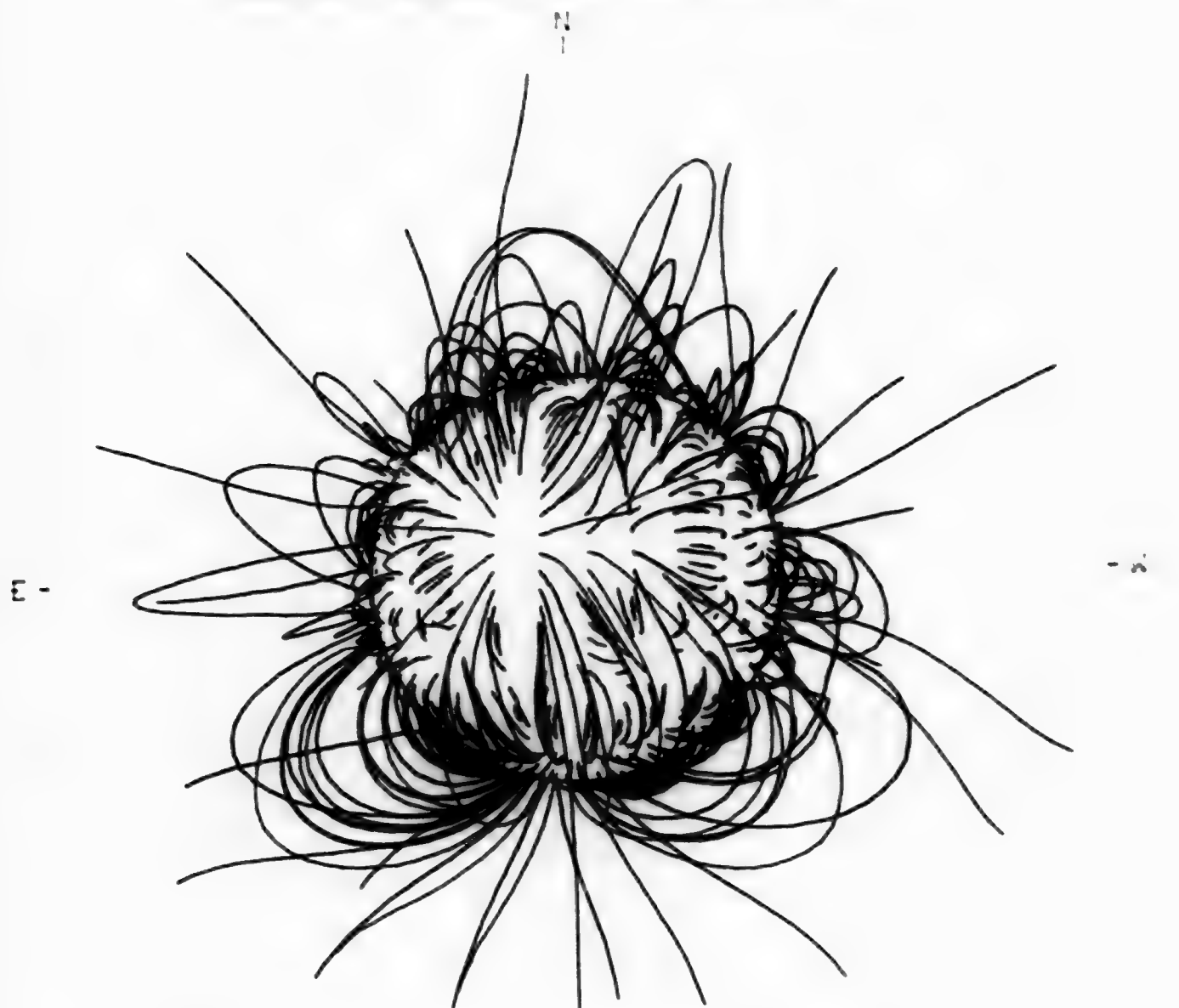
QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

ROT. 1475 JUN. 1961
3.9 021 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

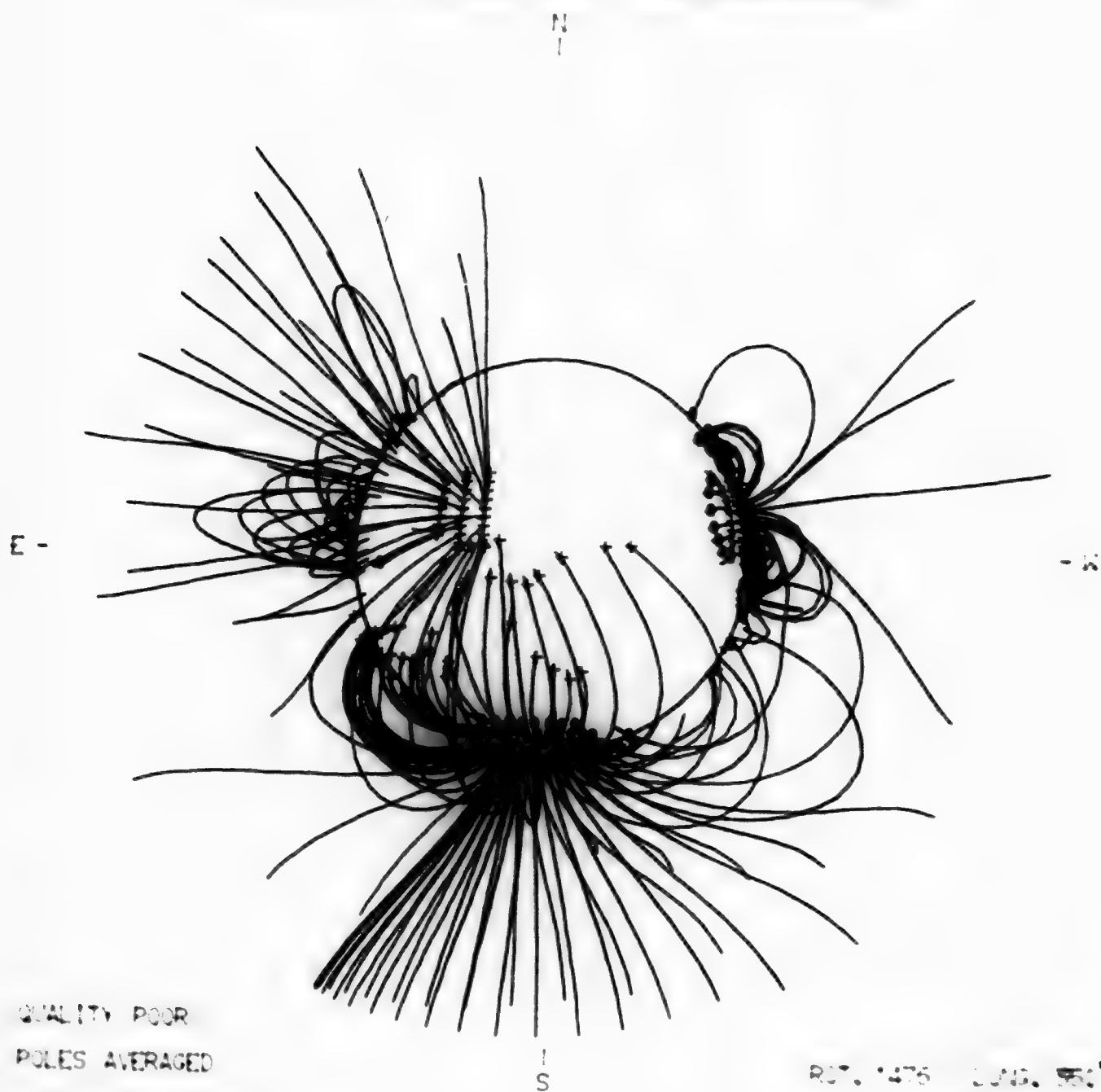


QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

S

ROT. 1476 LONG. 95°
4.7 021 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

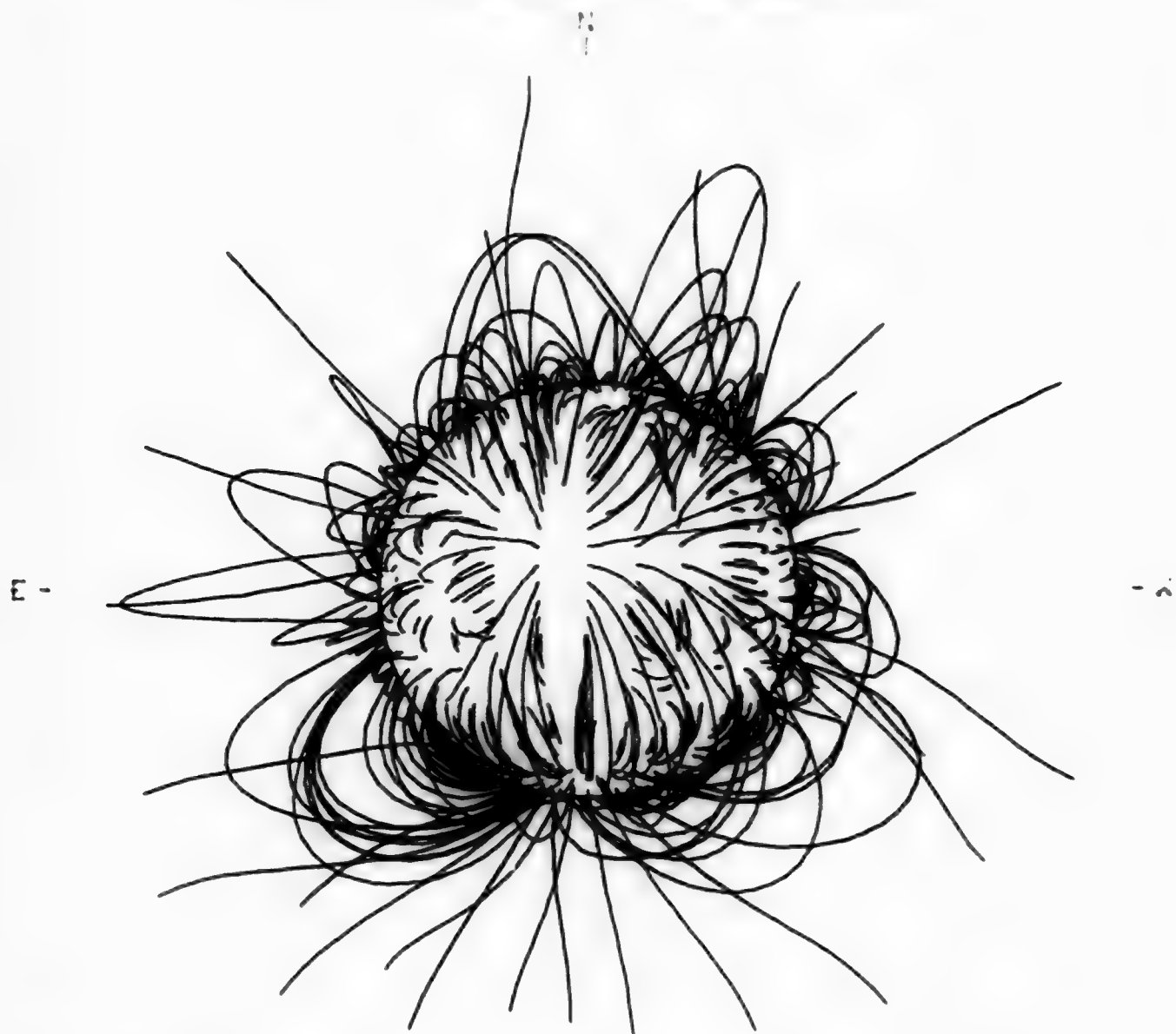
POLES AVERAGED

DATA WINDOW 1475.61

ROT. 1476 LONG. 550°

4.7 (2) 1982

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

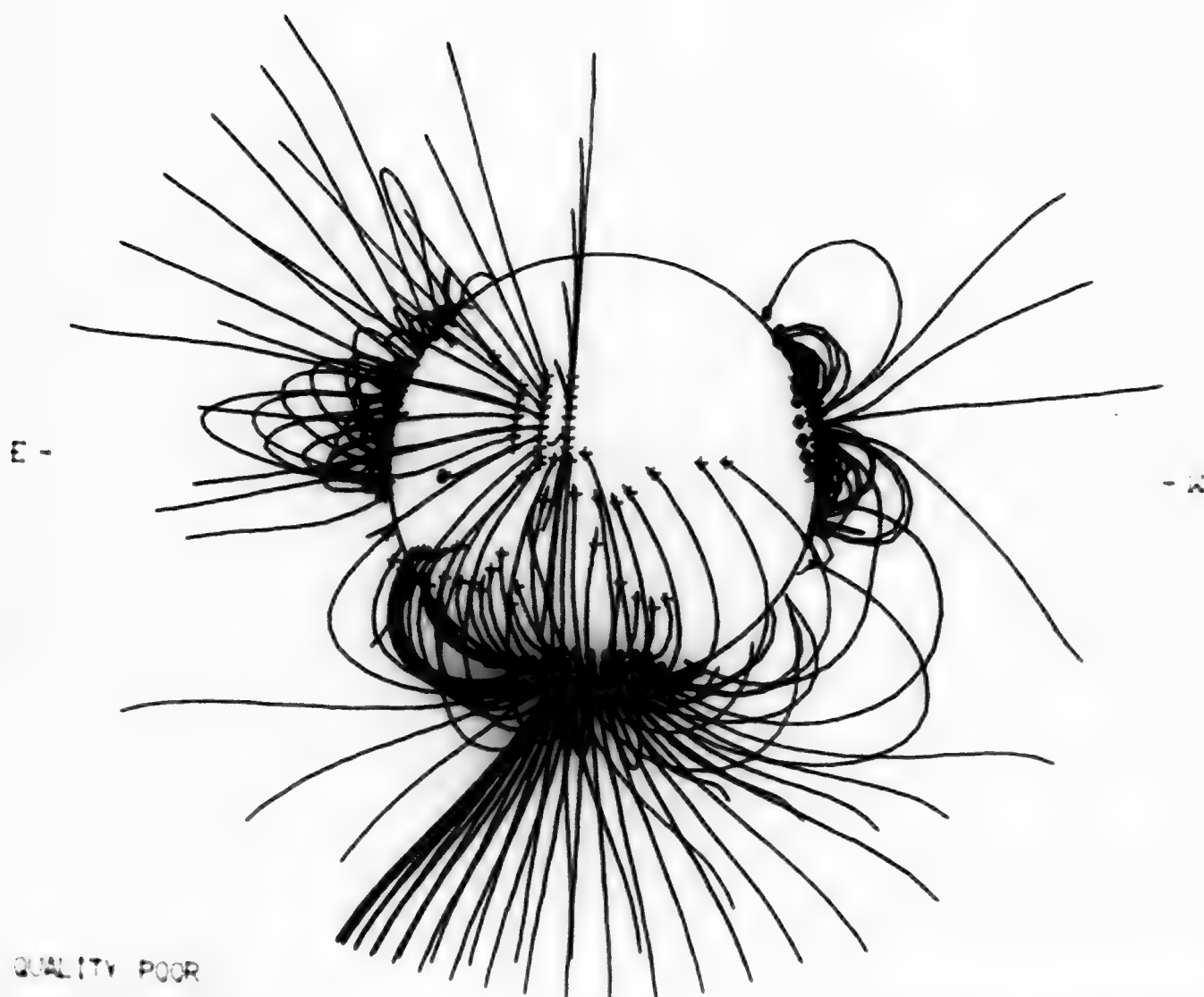
S

ROT. 1475.61 POS. 341°

5.4 JAN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

11



QUALITY POOR

POLES AVERAGED

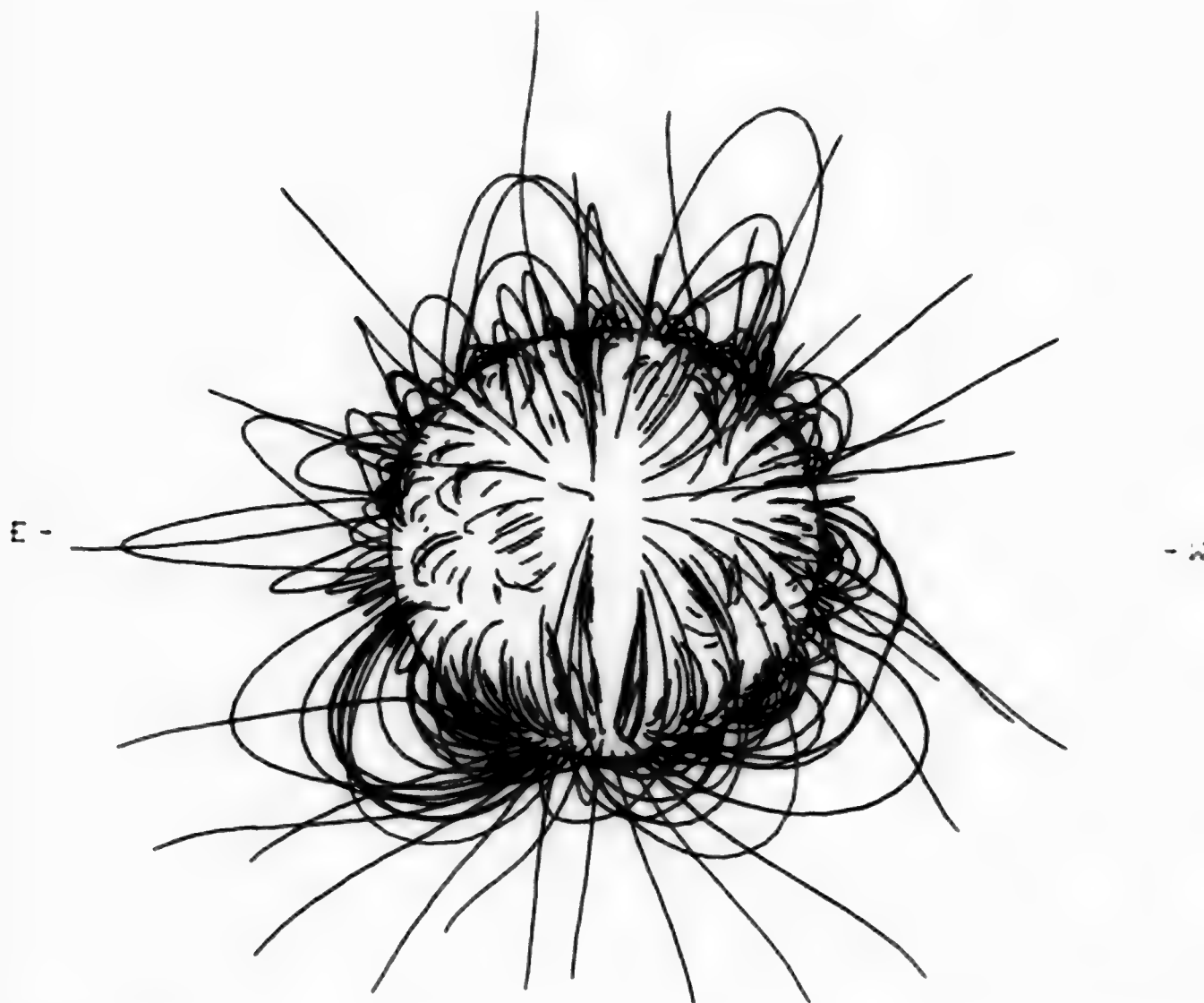
DATA WINDOW 1475.61

S

ROT. 1475 LONG. 521°

5.4 121 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

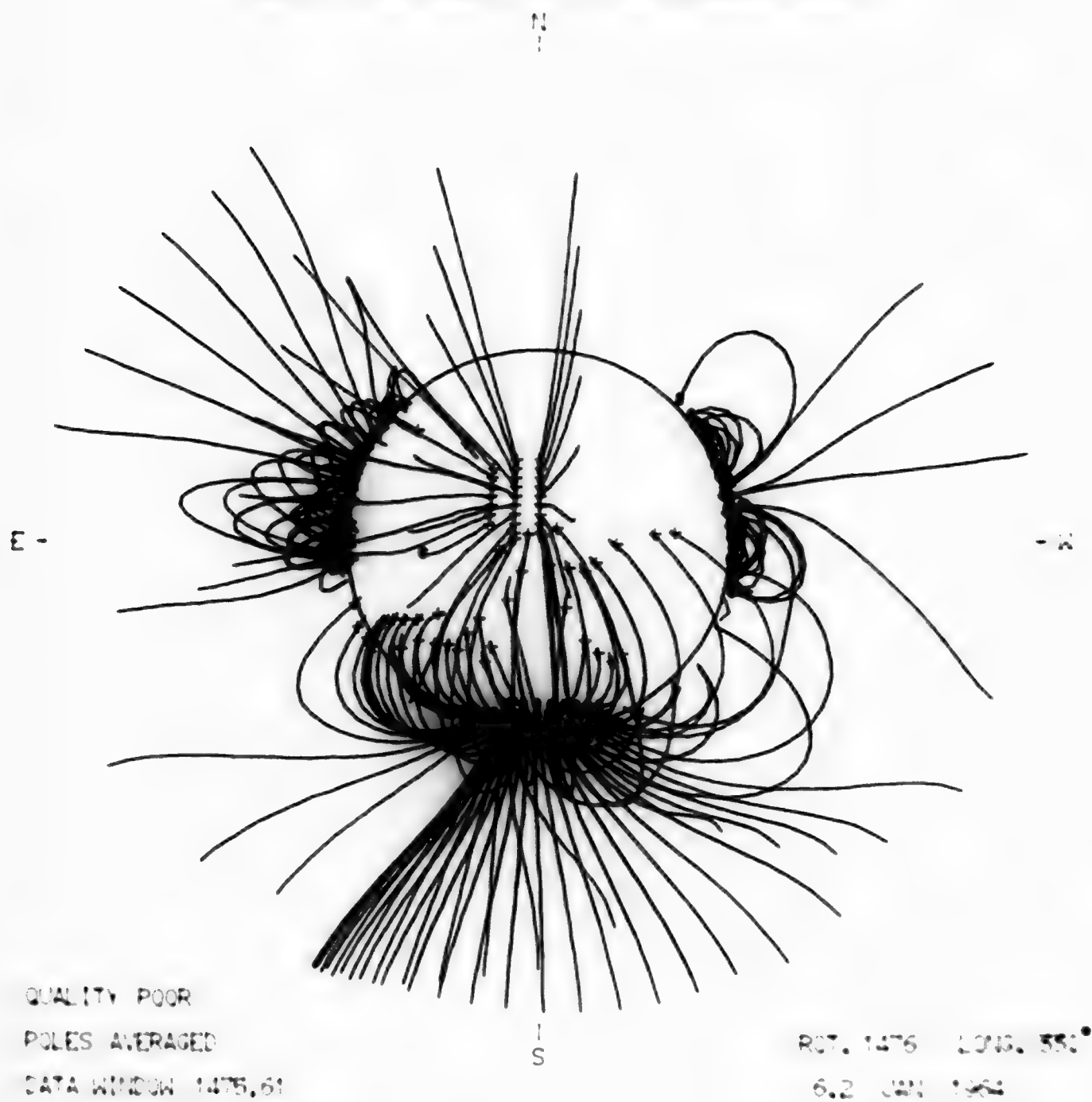
DATA WINDOW 1475.61

1
S

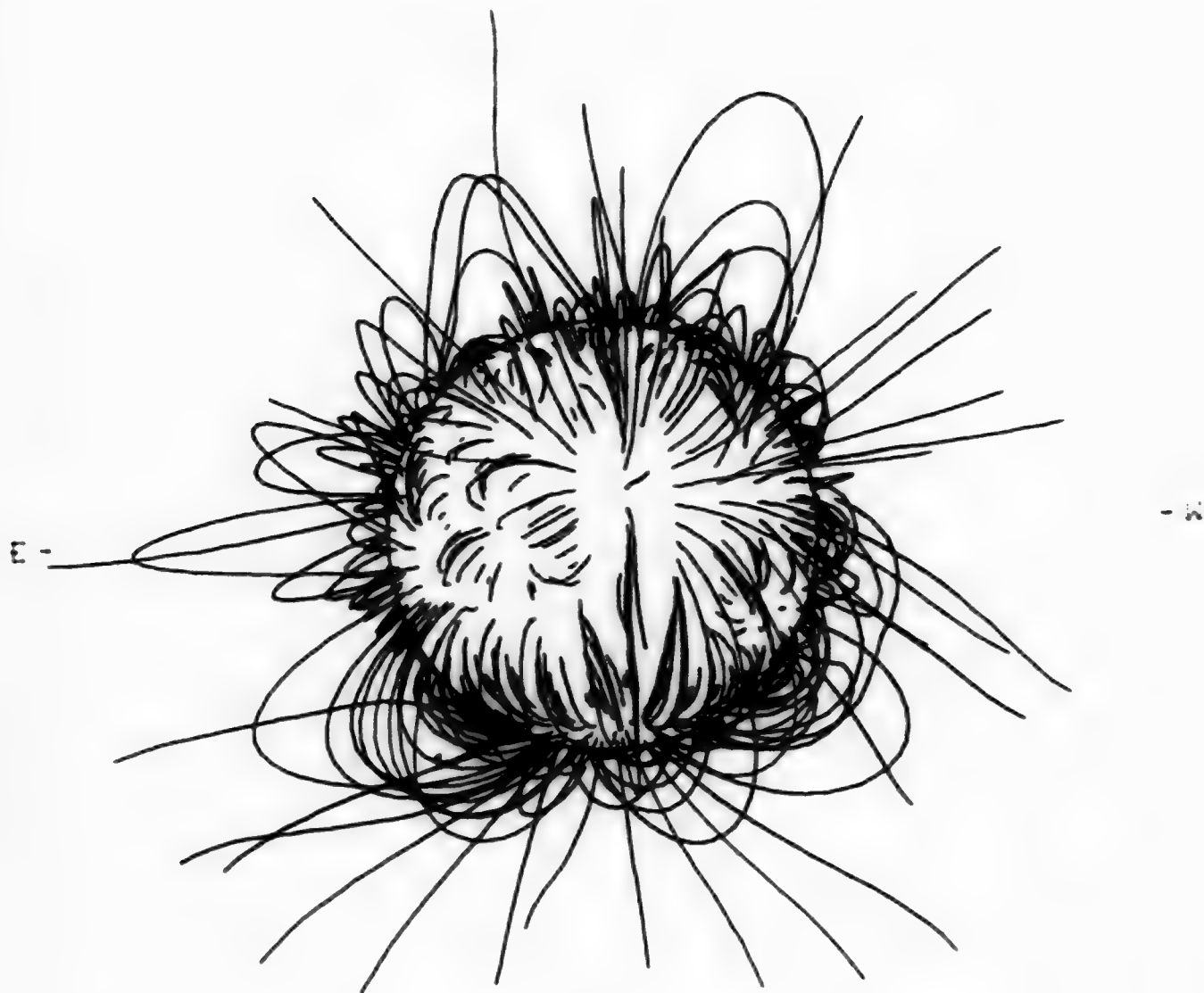
ROT. 1475 LONG. 350°

6.2 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

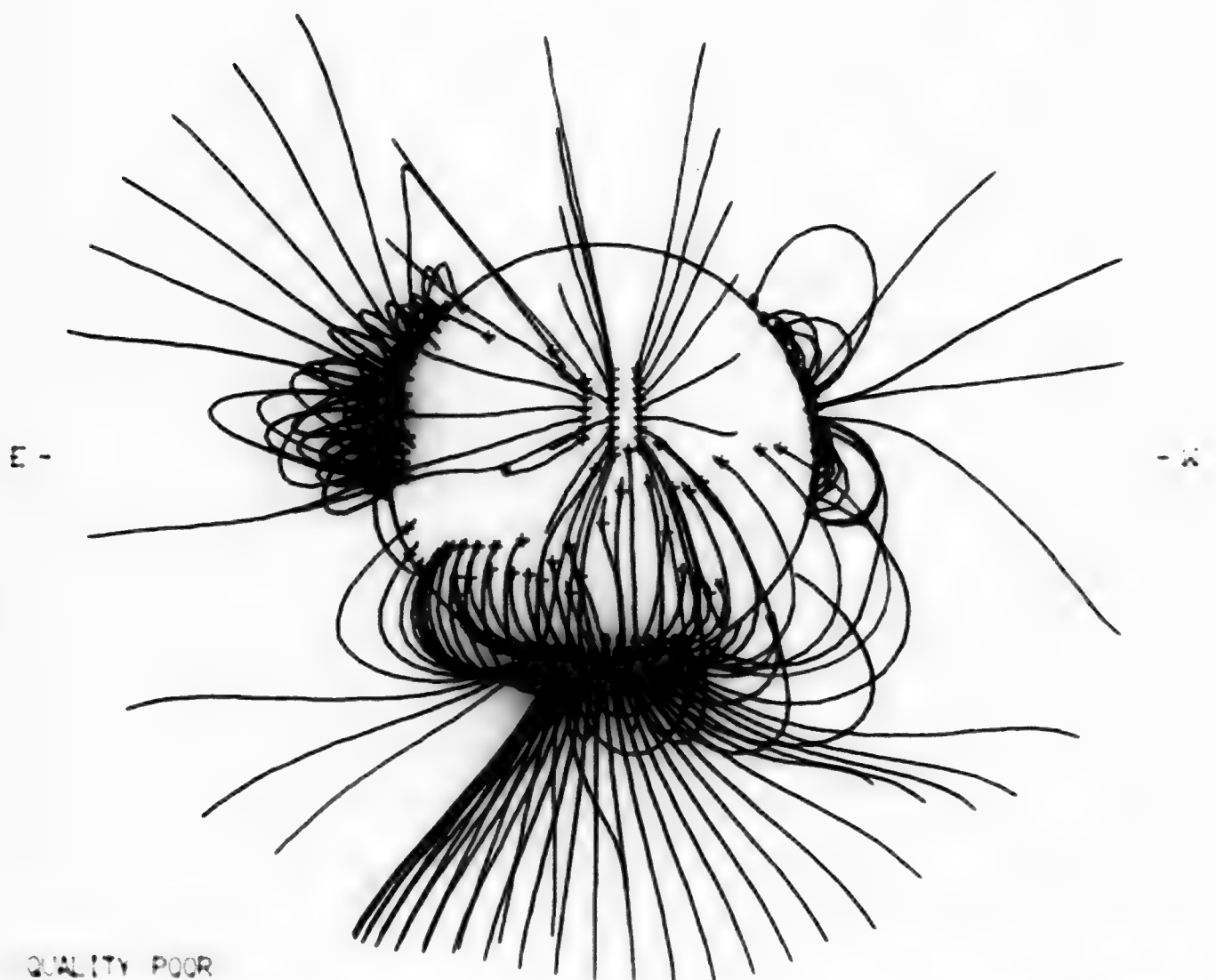


QUALITY POOR
 POLES AVERAGED
 DATA WINDOW 1475.61

S

ROT. 1476 1315. 500°
 6.9 JAN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

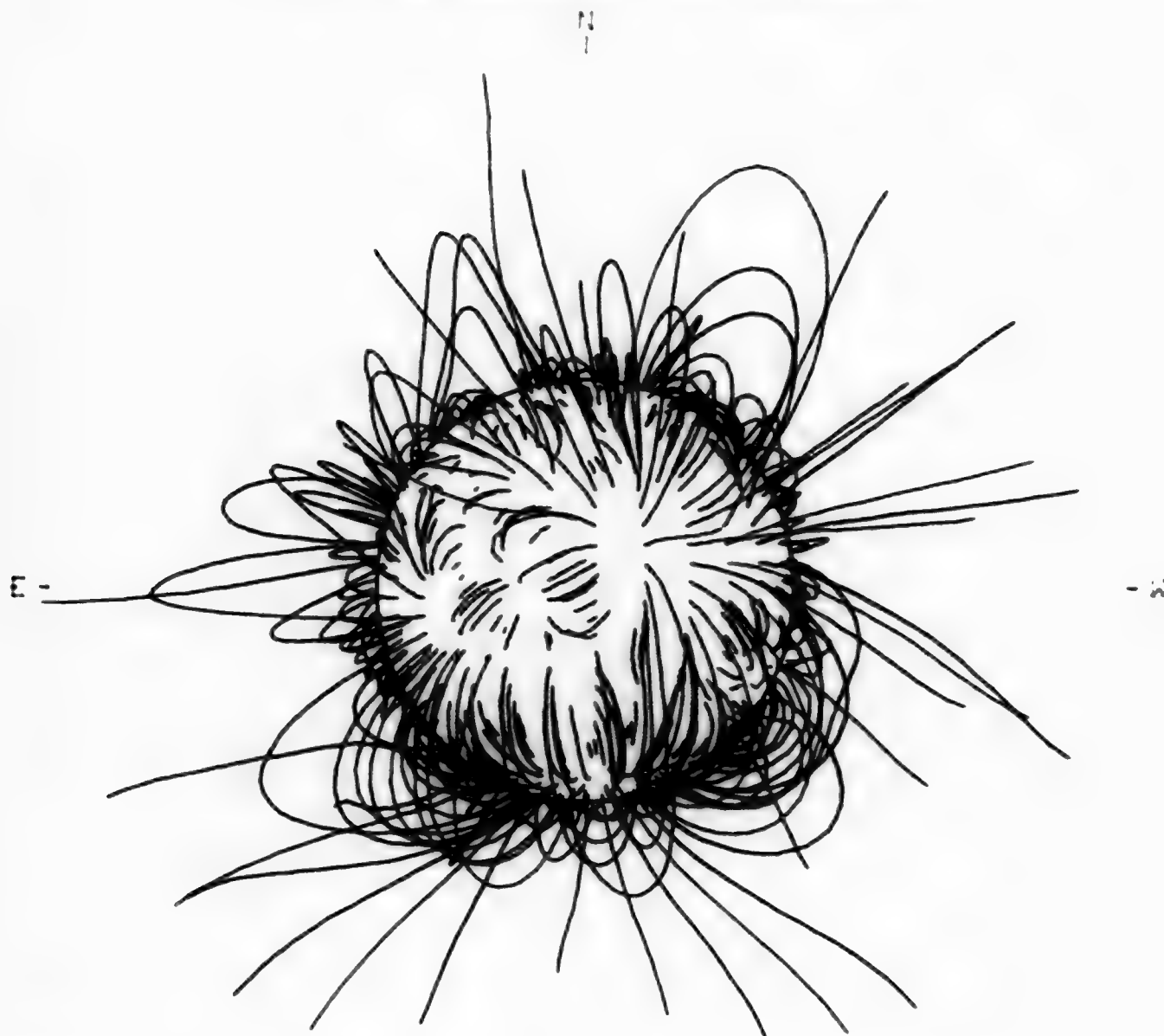
POLES AVERAGED

DATA WINDOW 1475.61

S

ROT. 1476 LONG. 521°
6.9 JAN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

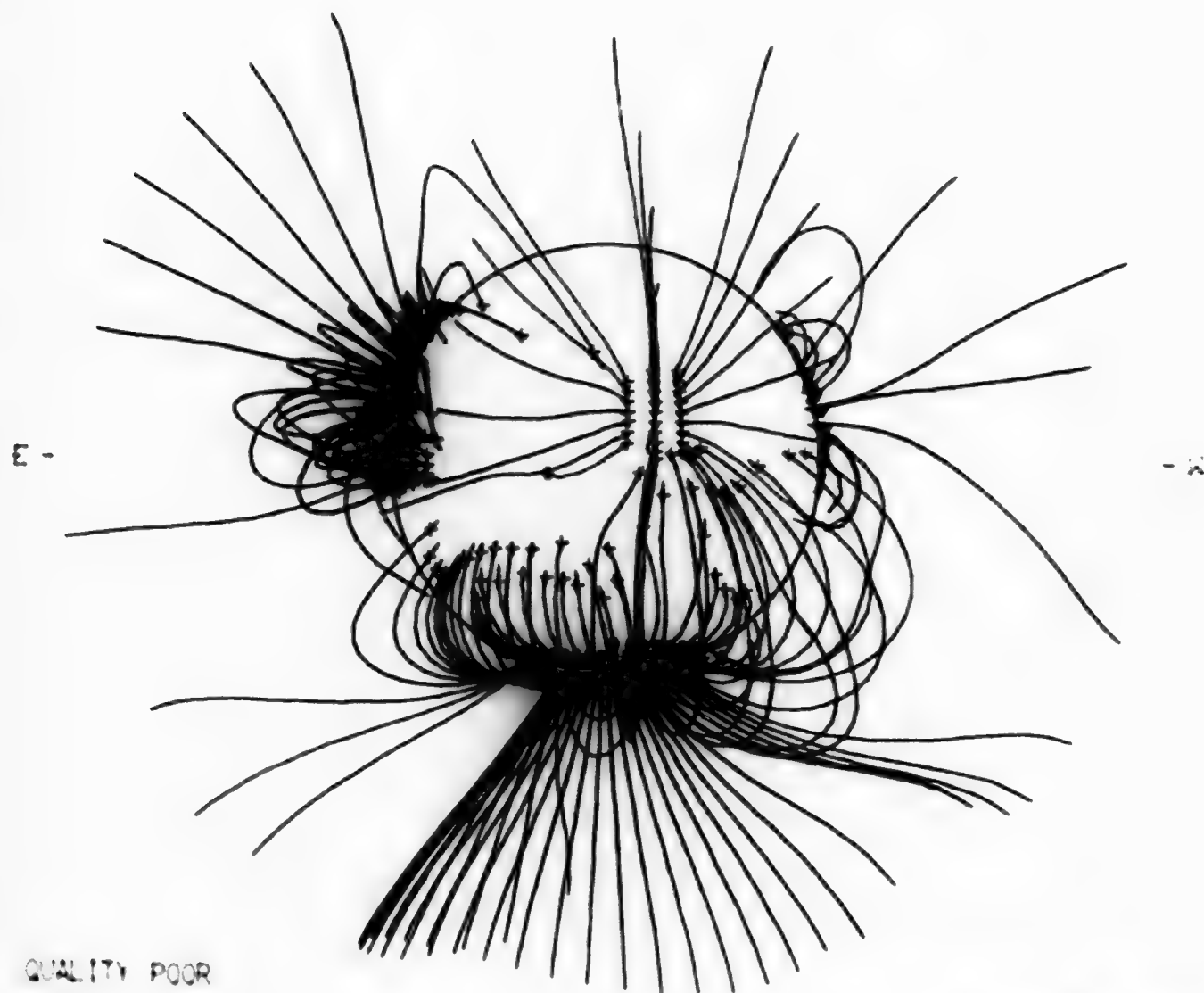
1
S

ROT. 1475 LONG. 51°

7.7 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

11
1



QUALITY POOR

POLES AVERAGED

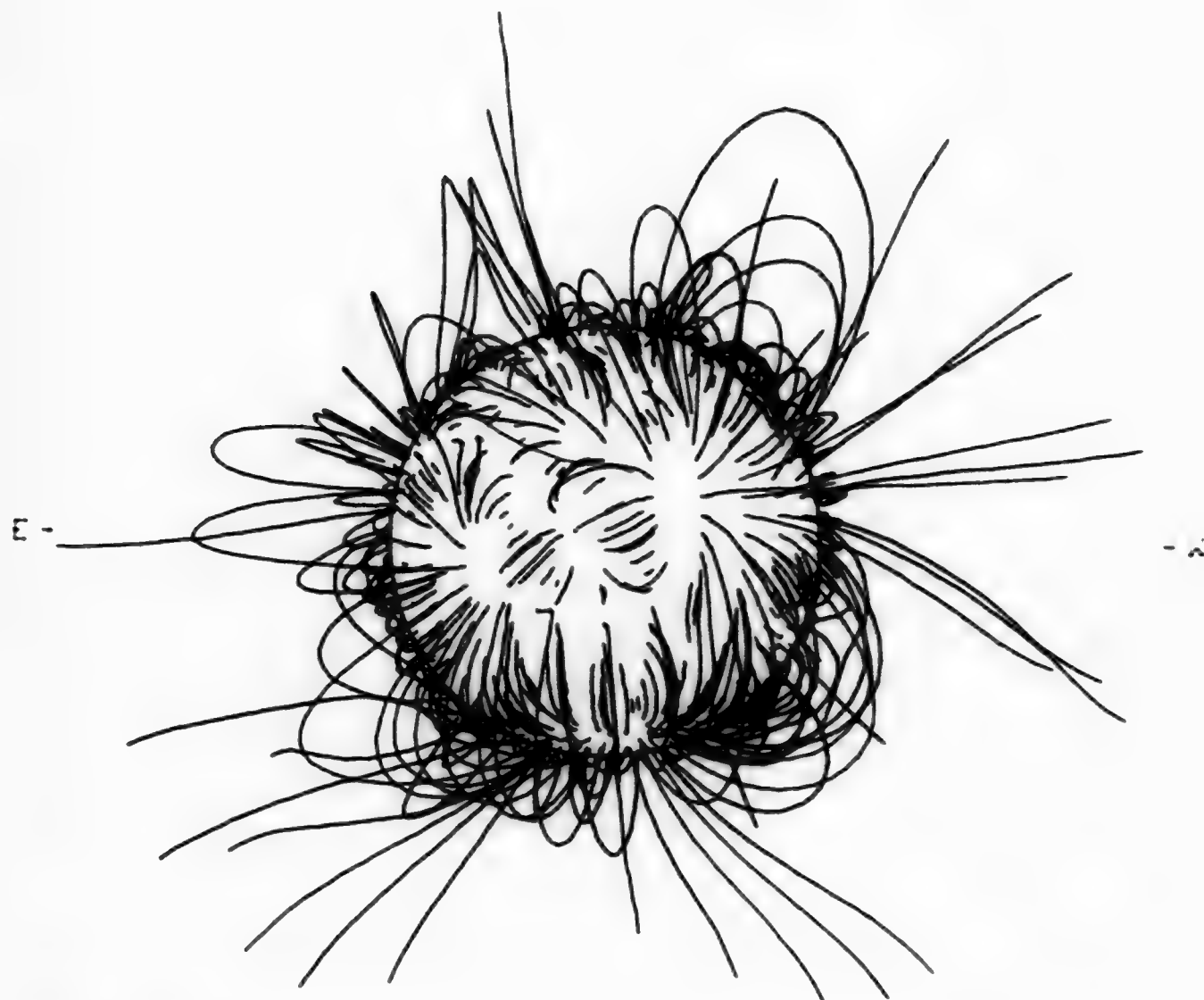
DATA WINDOW 1475.61

1
S

RUT. 1475 1010. 510°

7.7 1010 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

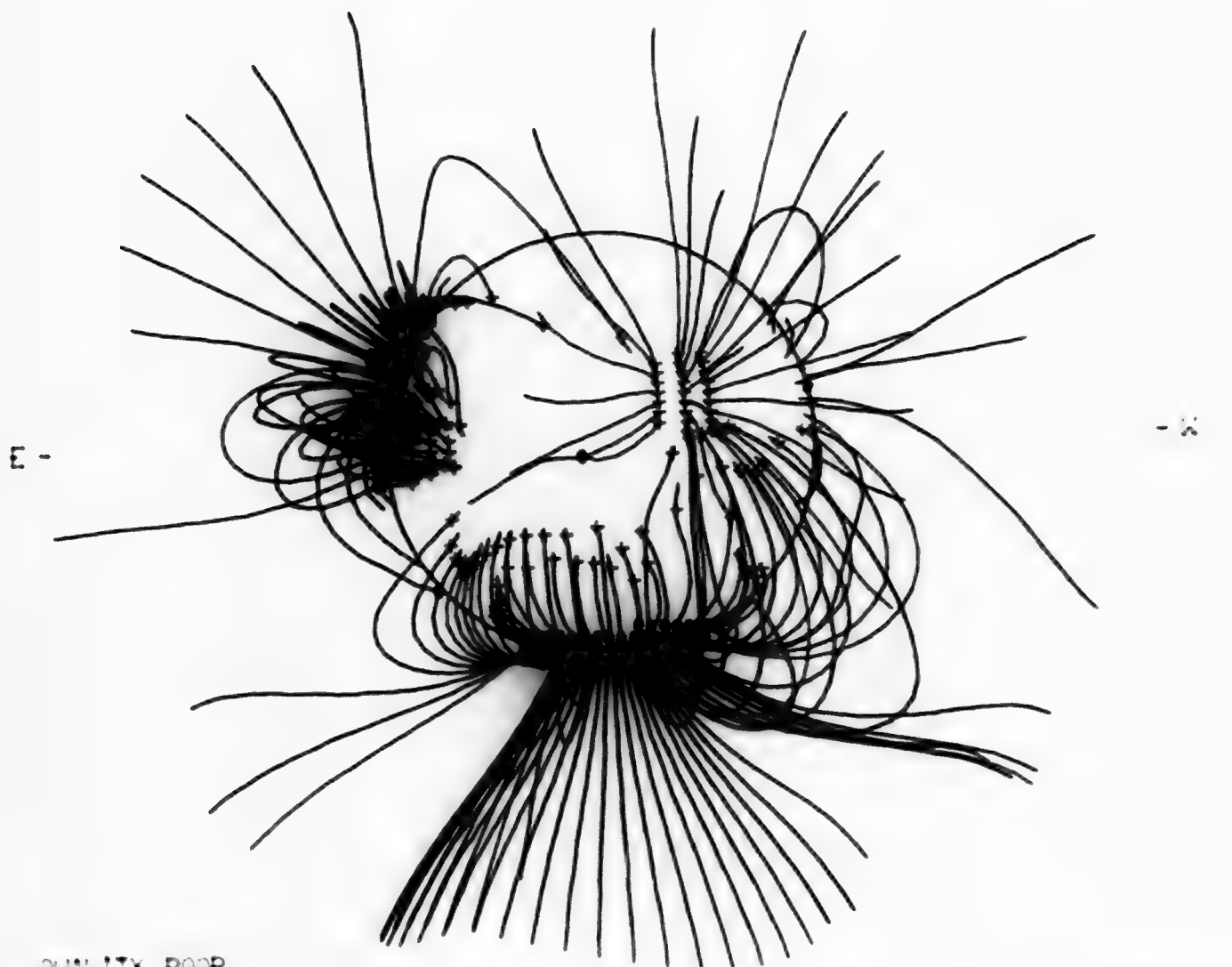
1
S

ROT. 1475 LONG. 500°

8.5 121 1984

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

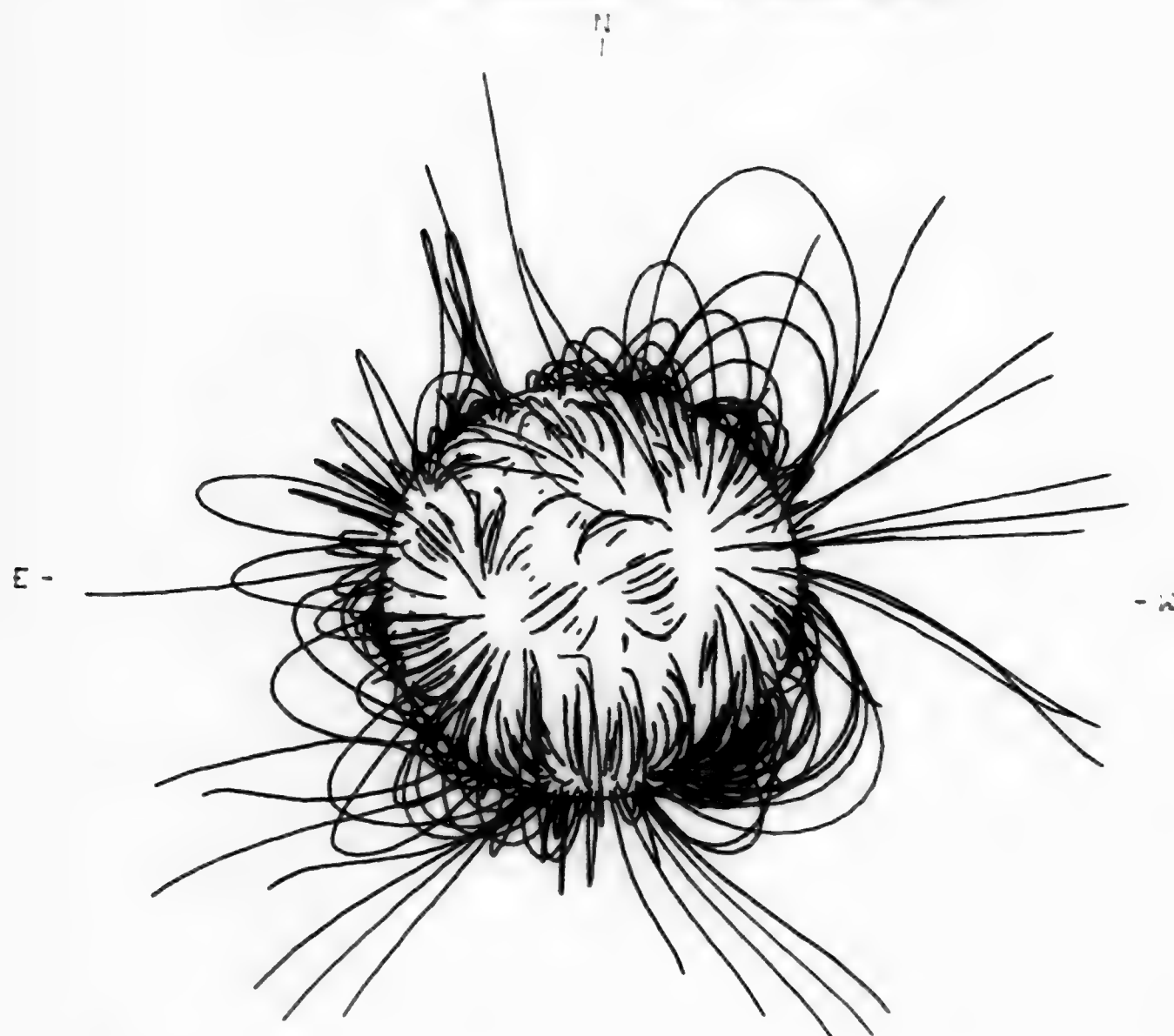


QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

S
|

ROT. 1476 LONG. 500°
8.5 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



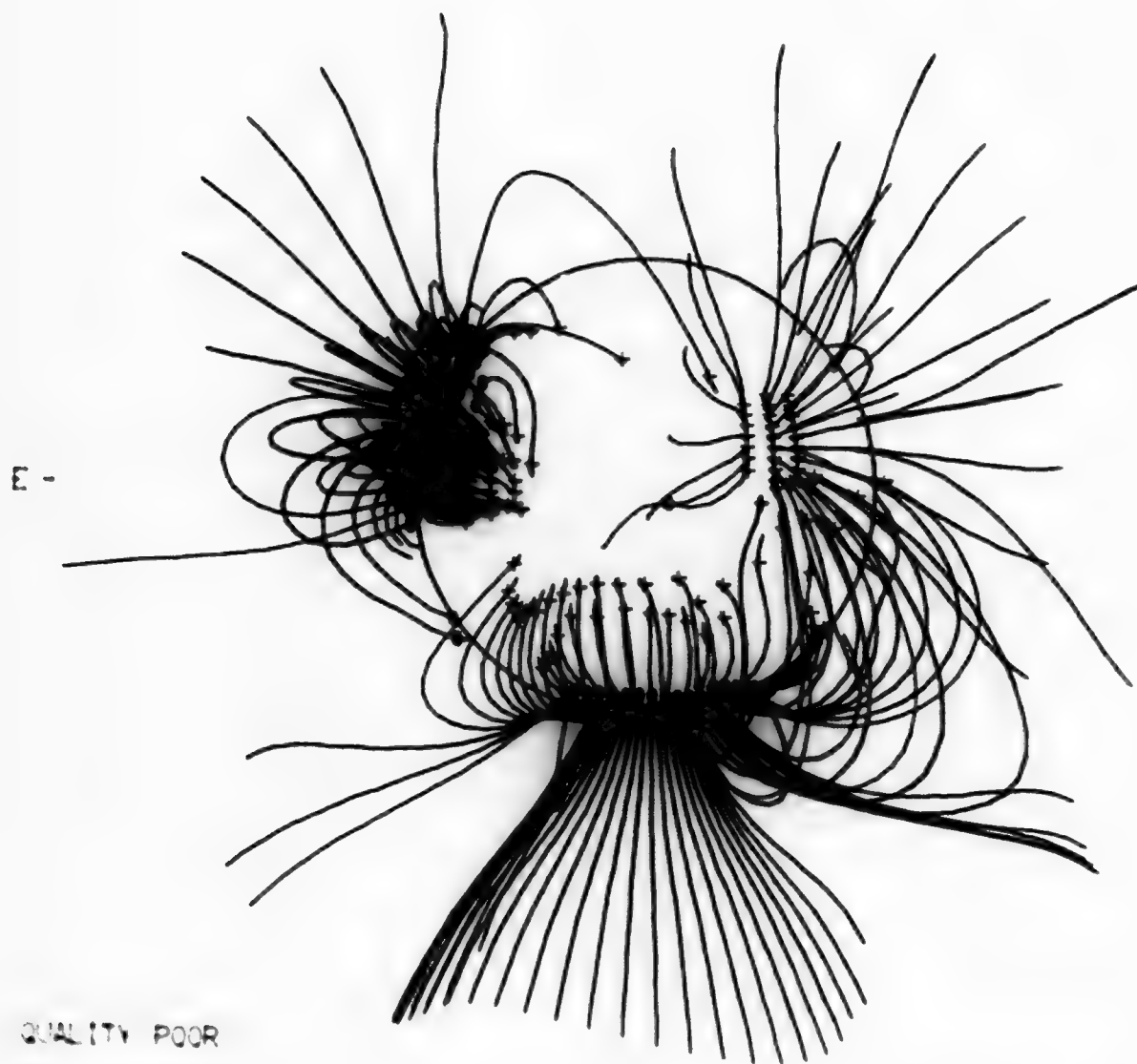
QUALITY POOR
 POLES AVERAGED
 DATA WINDOW 1475.61

S

ROT. 1476 LONG. 290°
 9.2 121 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY POOR

POLES AVERAGED

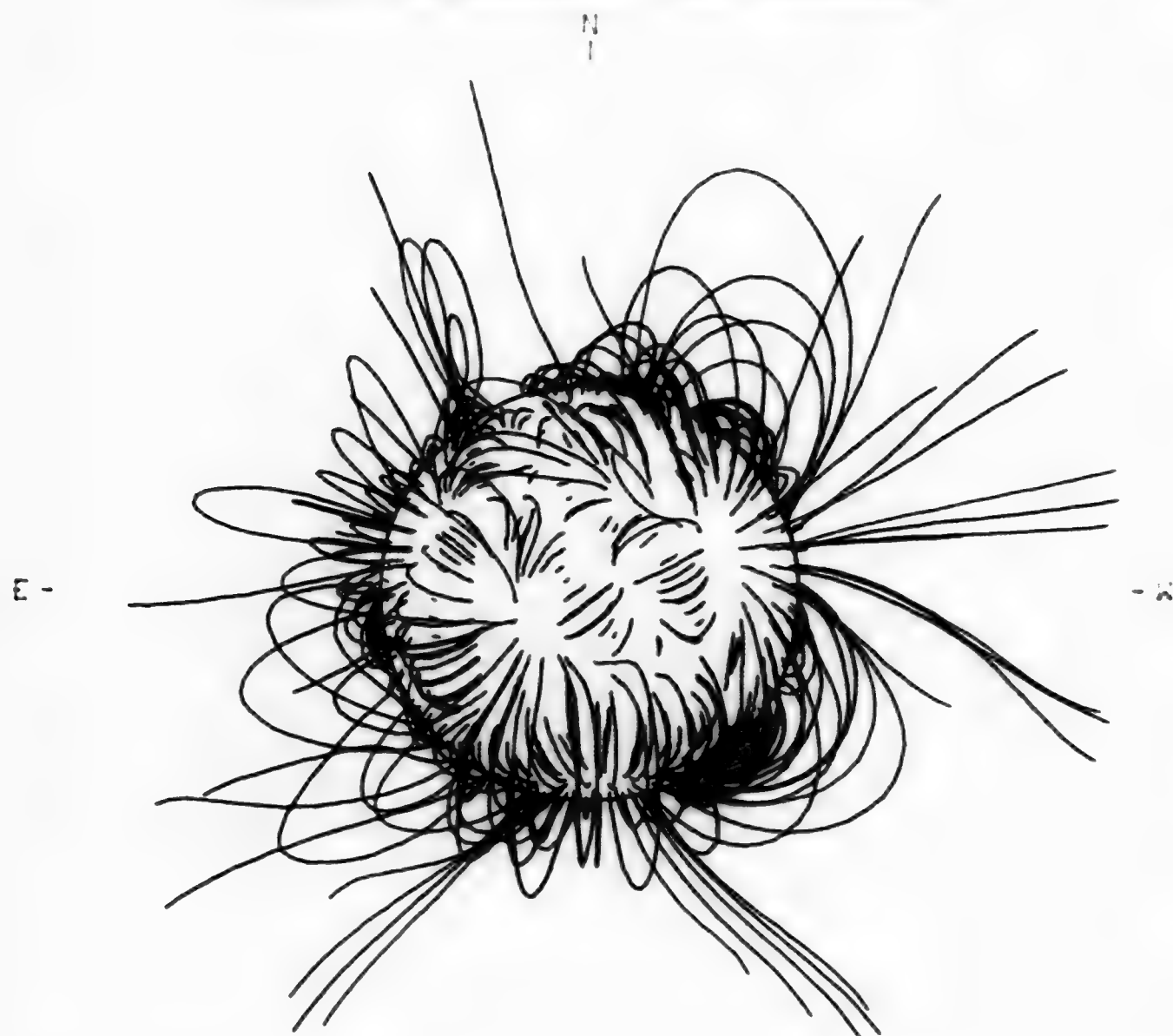
DATA WINDOW 1475.61

S

ROT. 1476 LONG. 291°

9.2 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

S

ROT. 1475 1010.281°

10.0 0.01 1984

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

E -

- W

QUALITY POOR

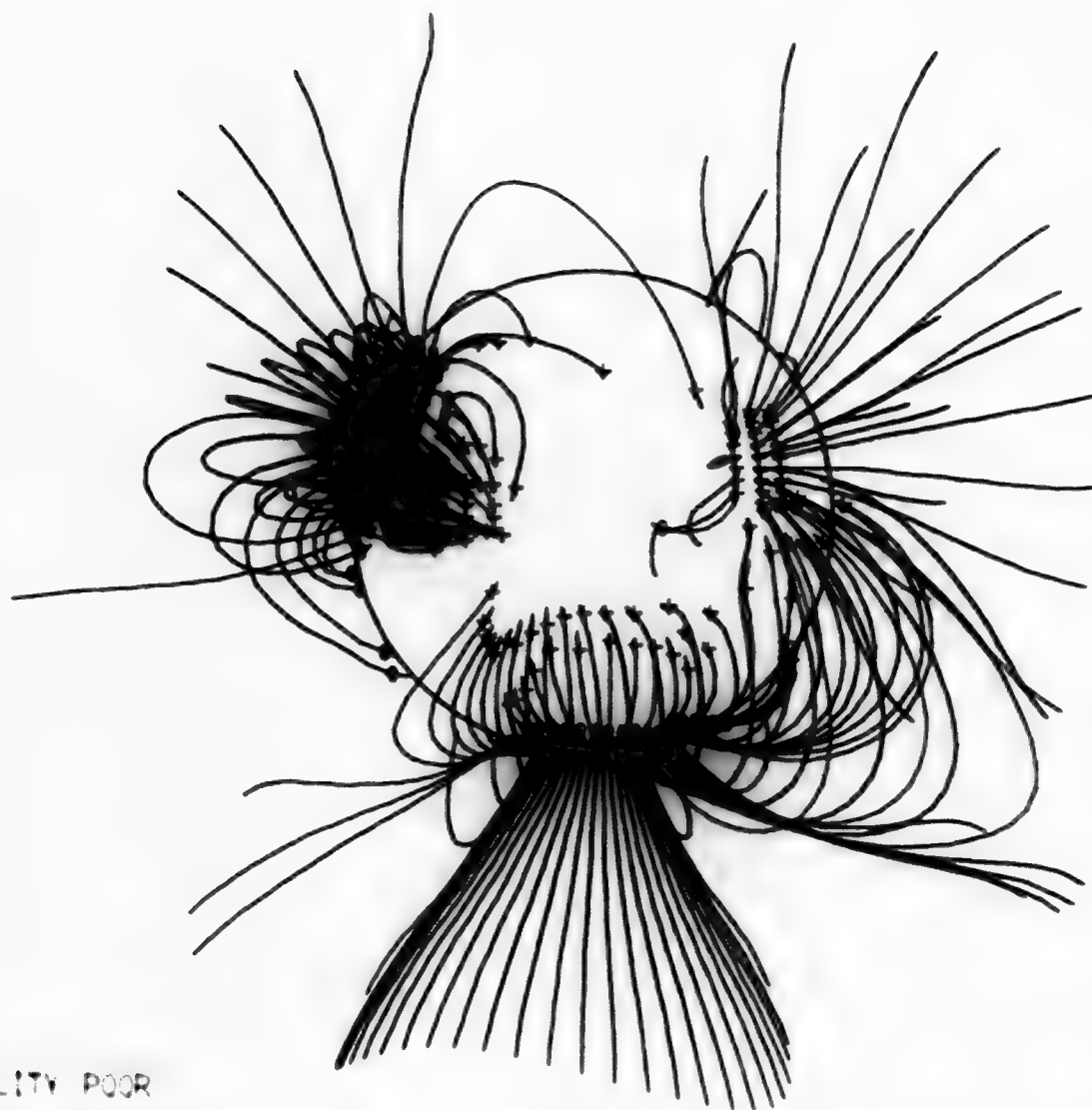
POLES AVERAGED

DATA WINDOW 1475.61

|
S

ROT. 1475 1010. 200°

1000 1000 1000



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

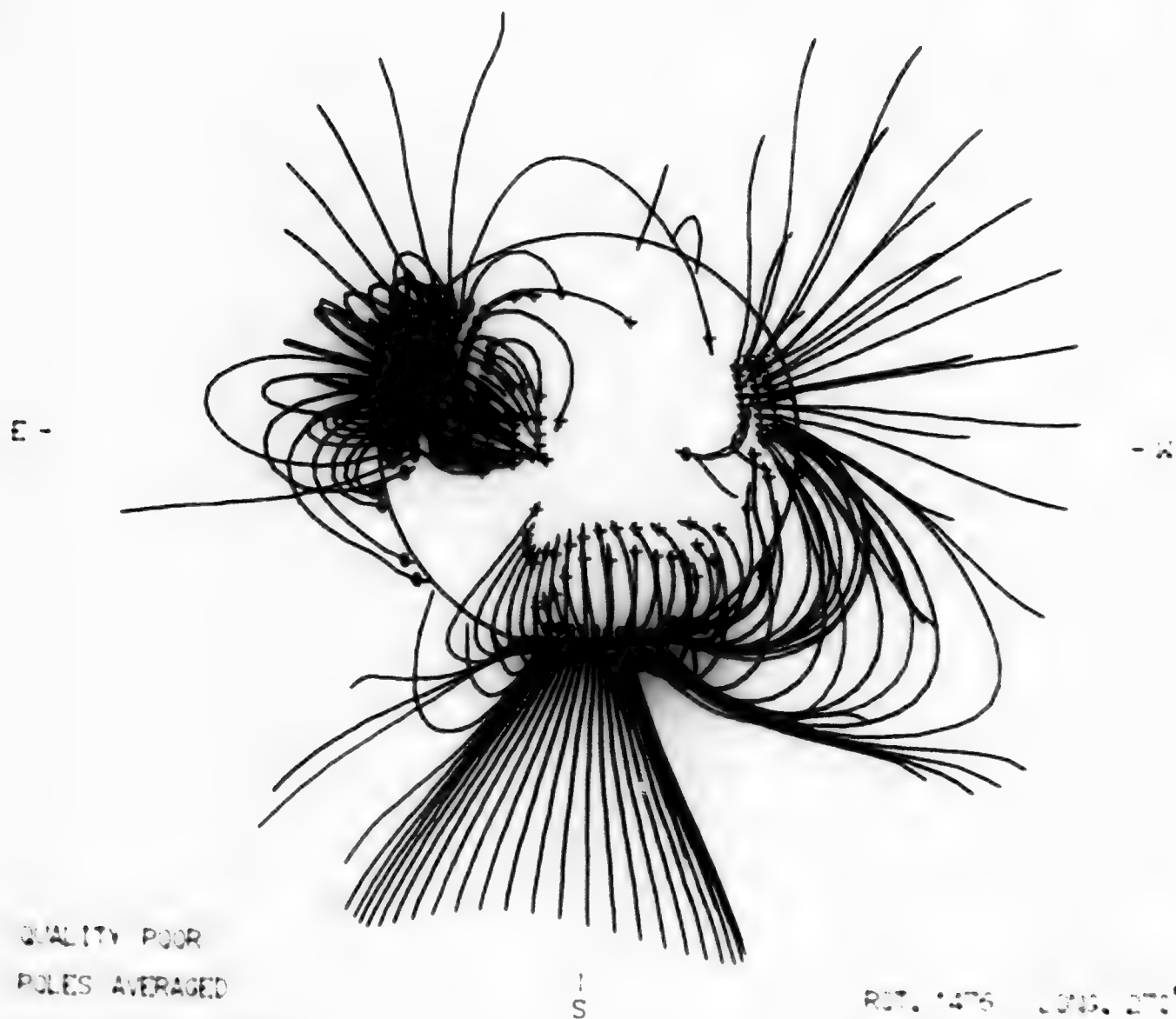
DATA WINDOW 1475.61

S

RET. 1276 LAD. 276

10.7 1276 1962

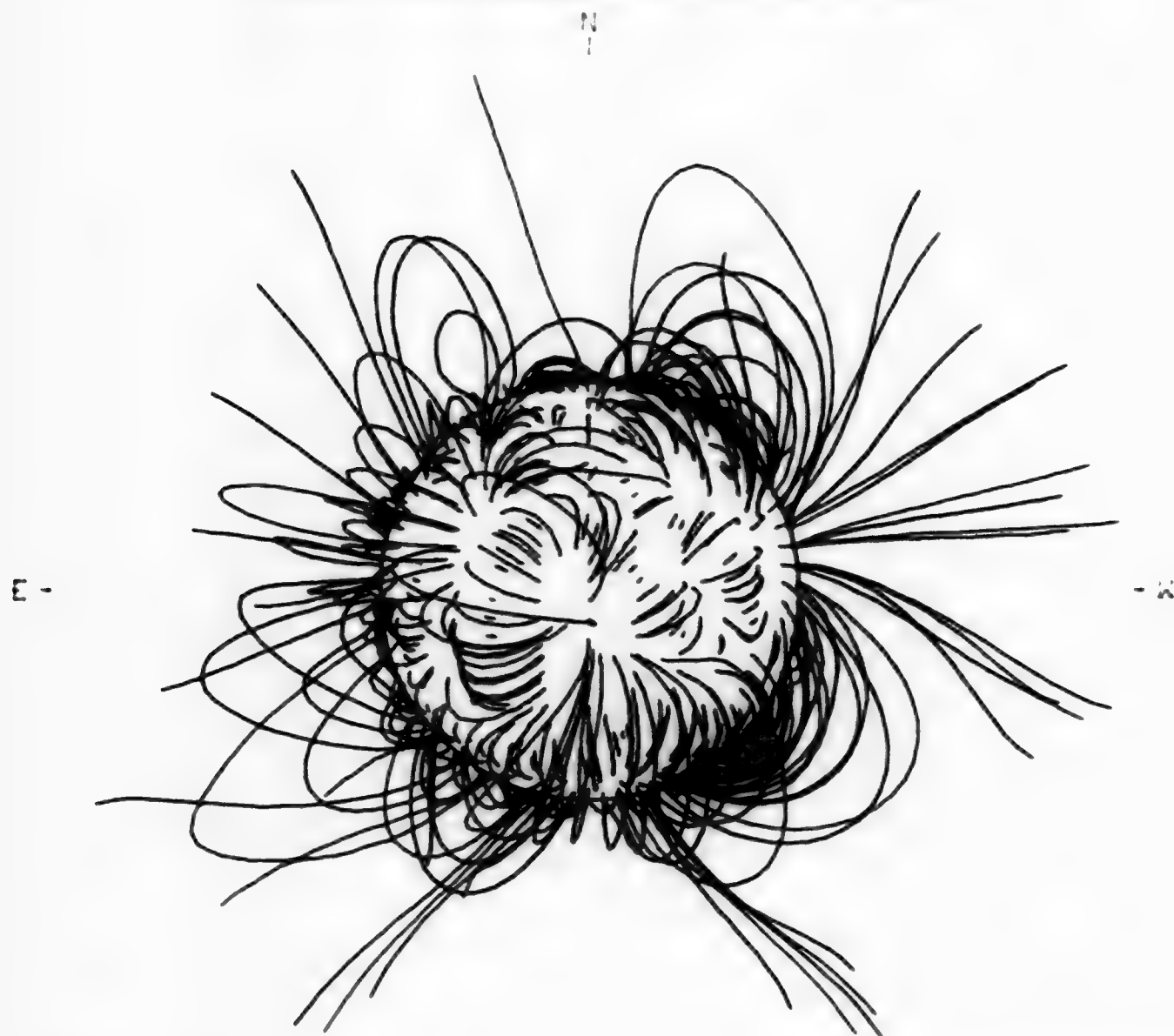
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

ROT. 1476 1010.270°
10.7 1010 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
 POLES AVERAGED
 DATA WINDOW 1475.61

1
 S

RET. 1475 1010.251
 11.5 1011 1012

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



- S

QUALITY POOR

POLES AVERAGED

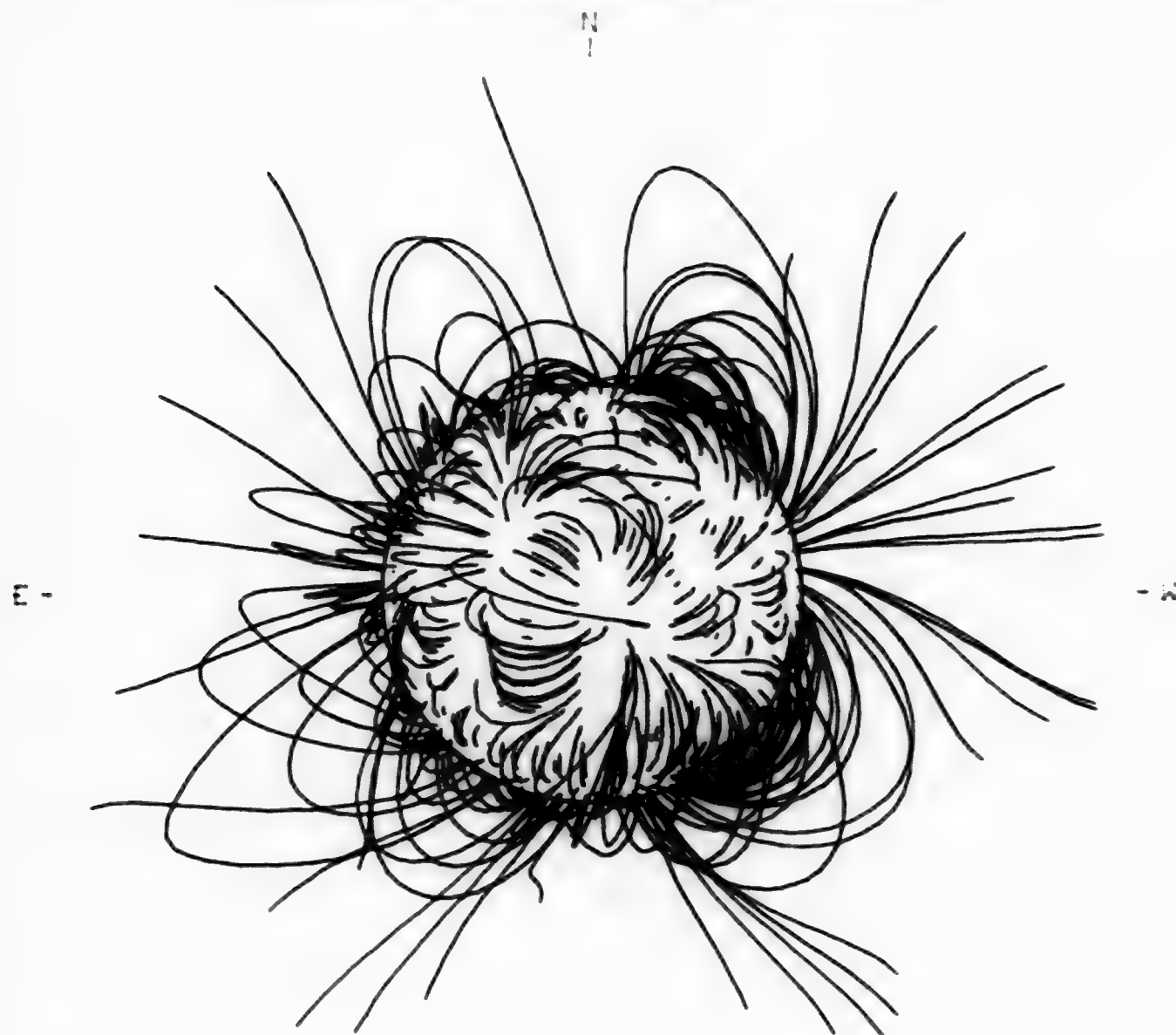
DATA WINDOW 1475.61

S

ROT. 1476 2016.260°

11.5 021 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

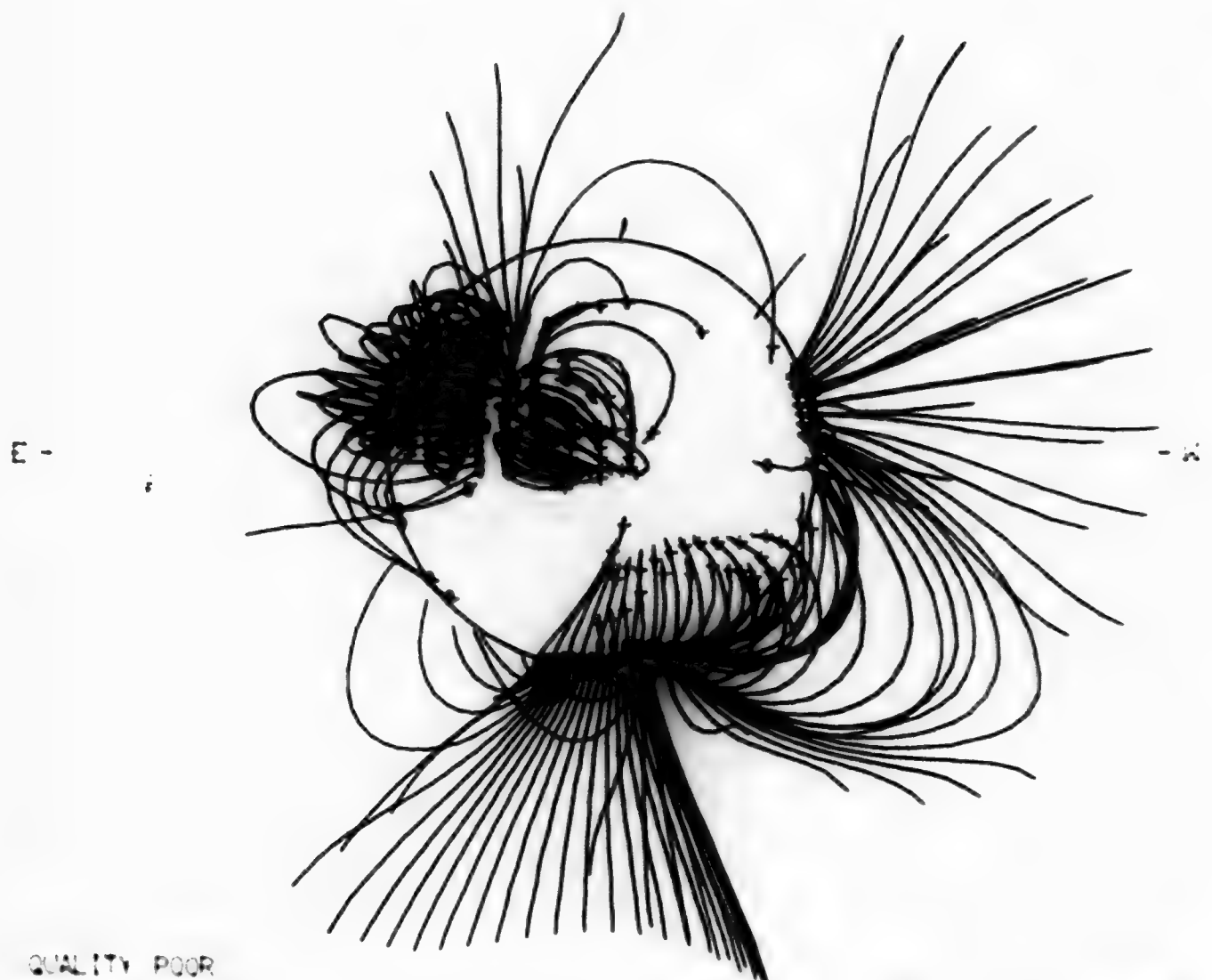
DATA WINDOW 1475.61

S

ROT. 1476 LONG. 250°

12.2 1961 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

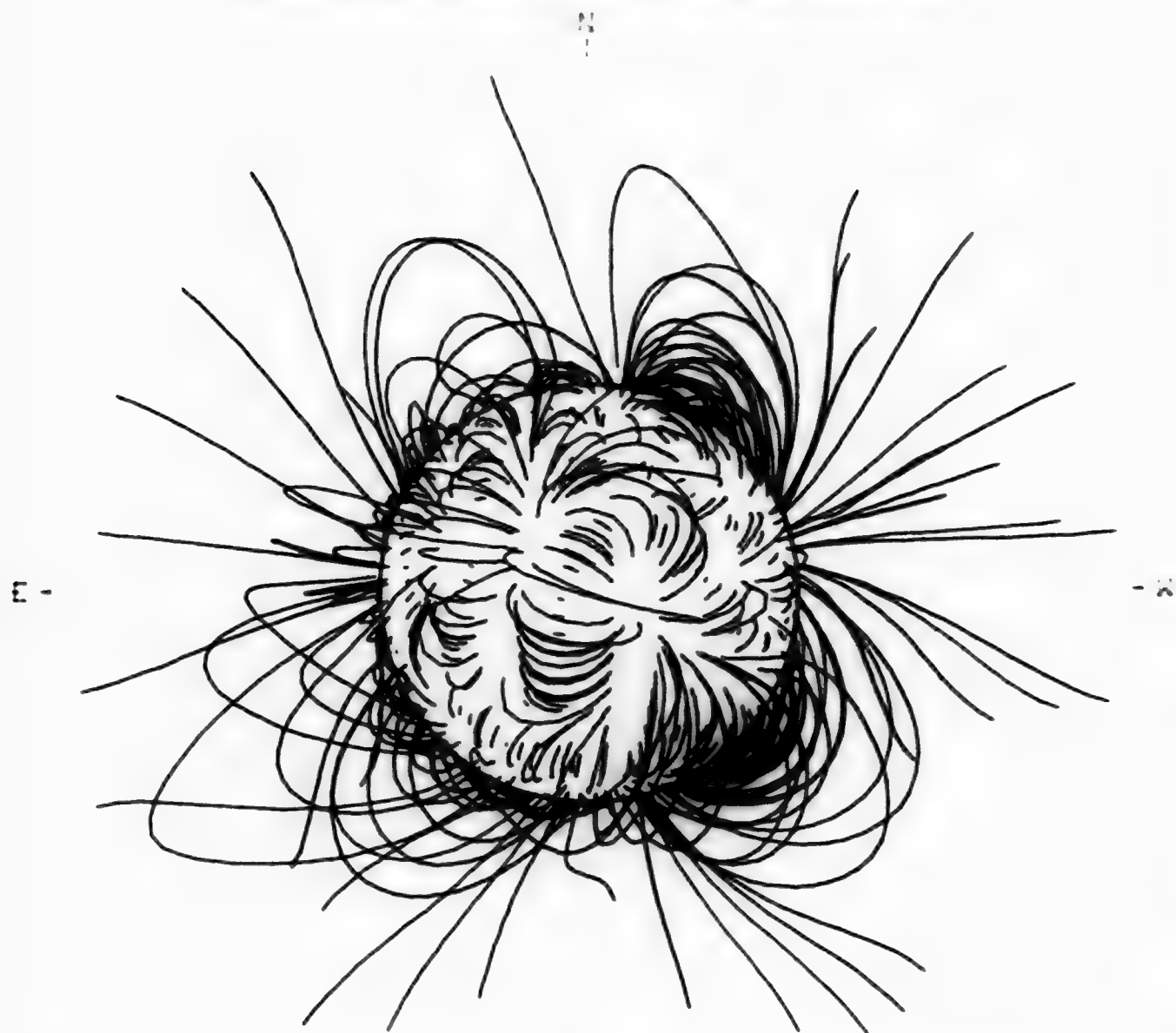
DATA WINDOW 1475.61

1
S

ROT. 1476 LONG. 250°

12.2 JAN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

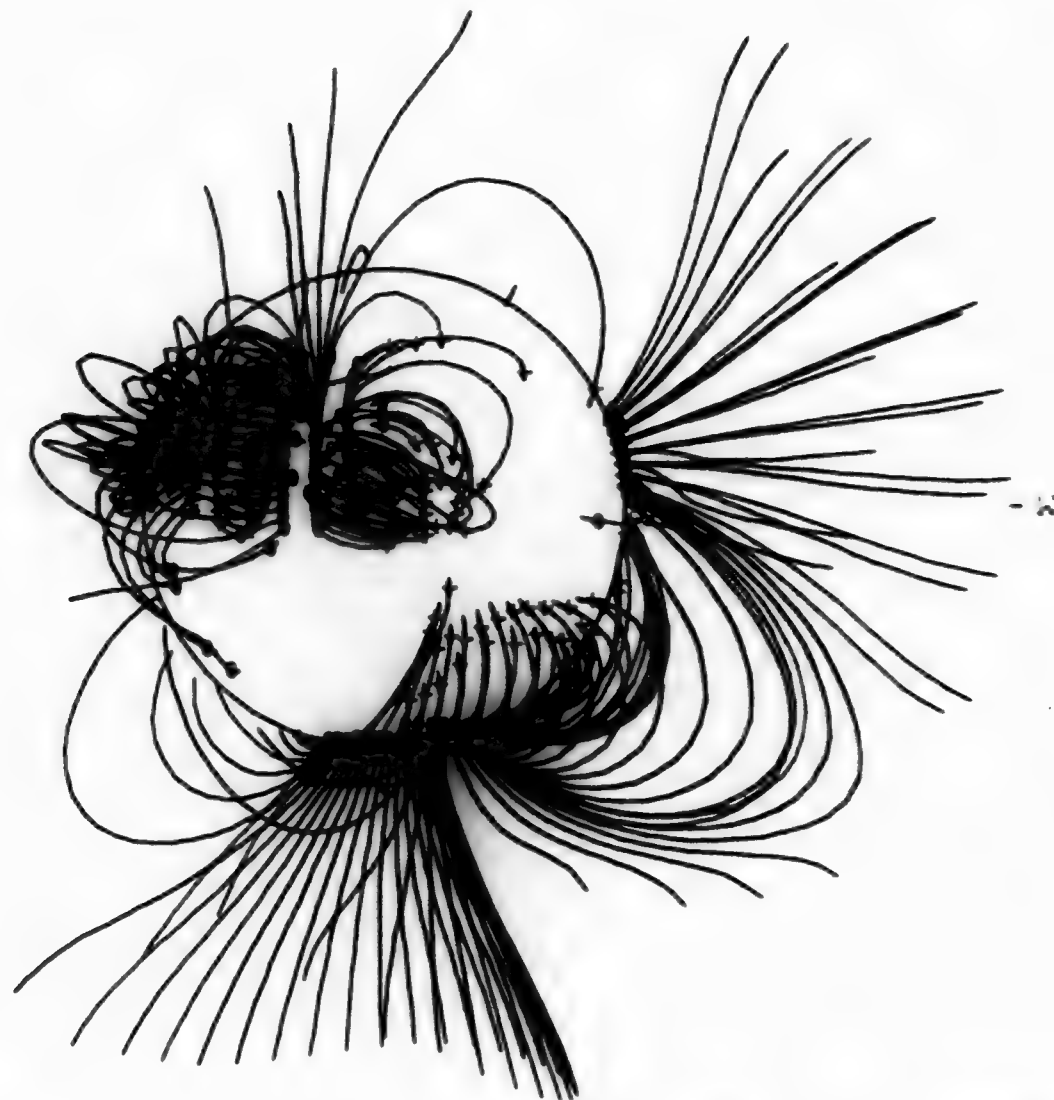
! S

ROT. 1475 0010. 240°

15.0 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -



QUALITY POOR

POLES AVERAGED

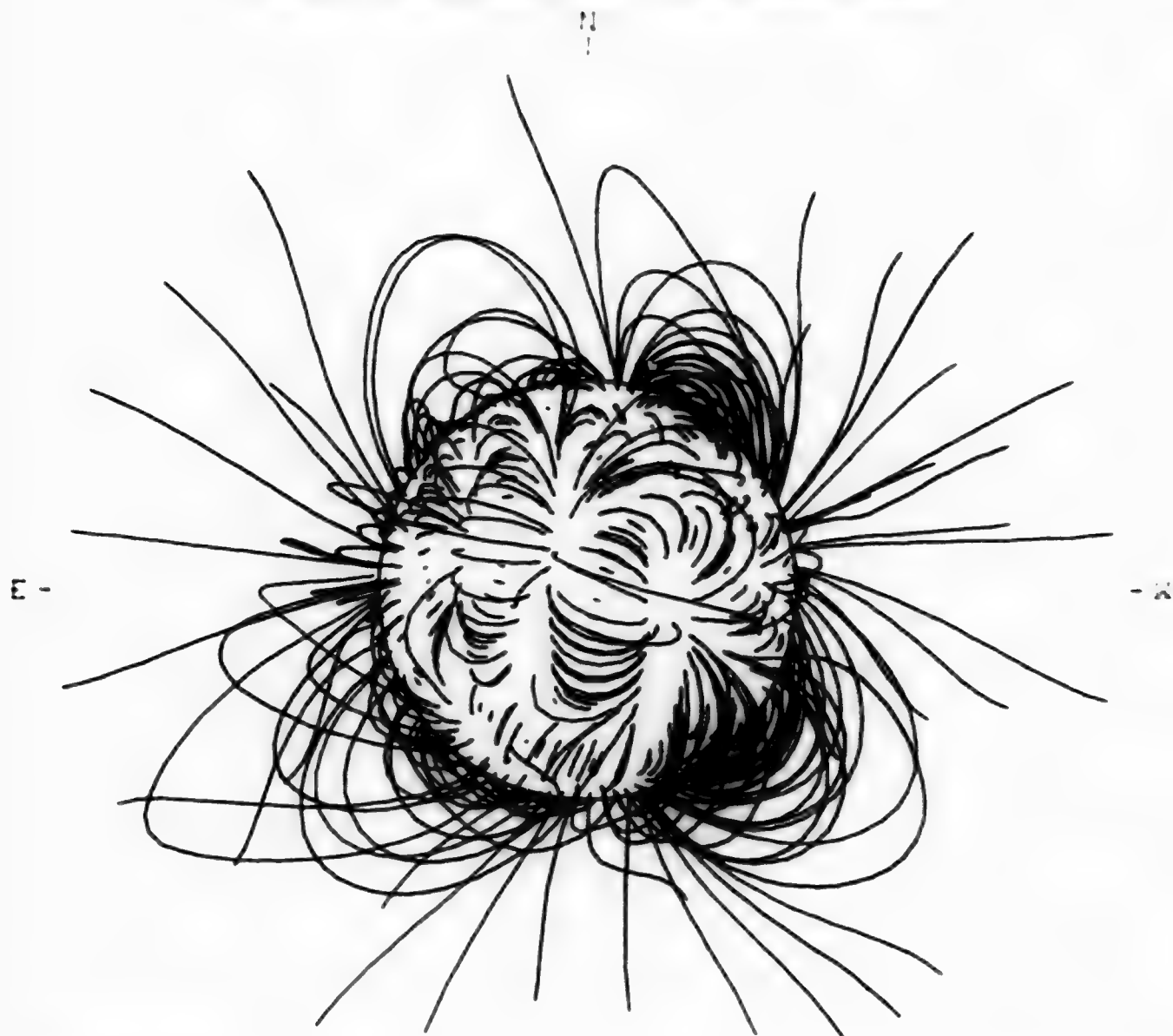
DATA WINDOW 1475.61

S

ROT. 1476 LONG. 240°

13.0 021 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

1
S

ROT. 1476 LONG. 250°

13.8 121 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N

E -



QUALITY POOR

POLES AVERAGED

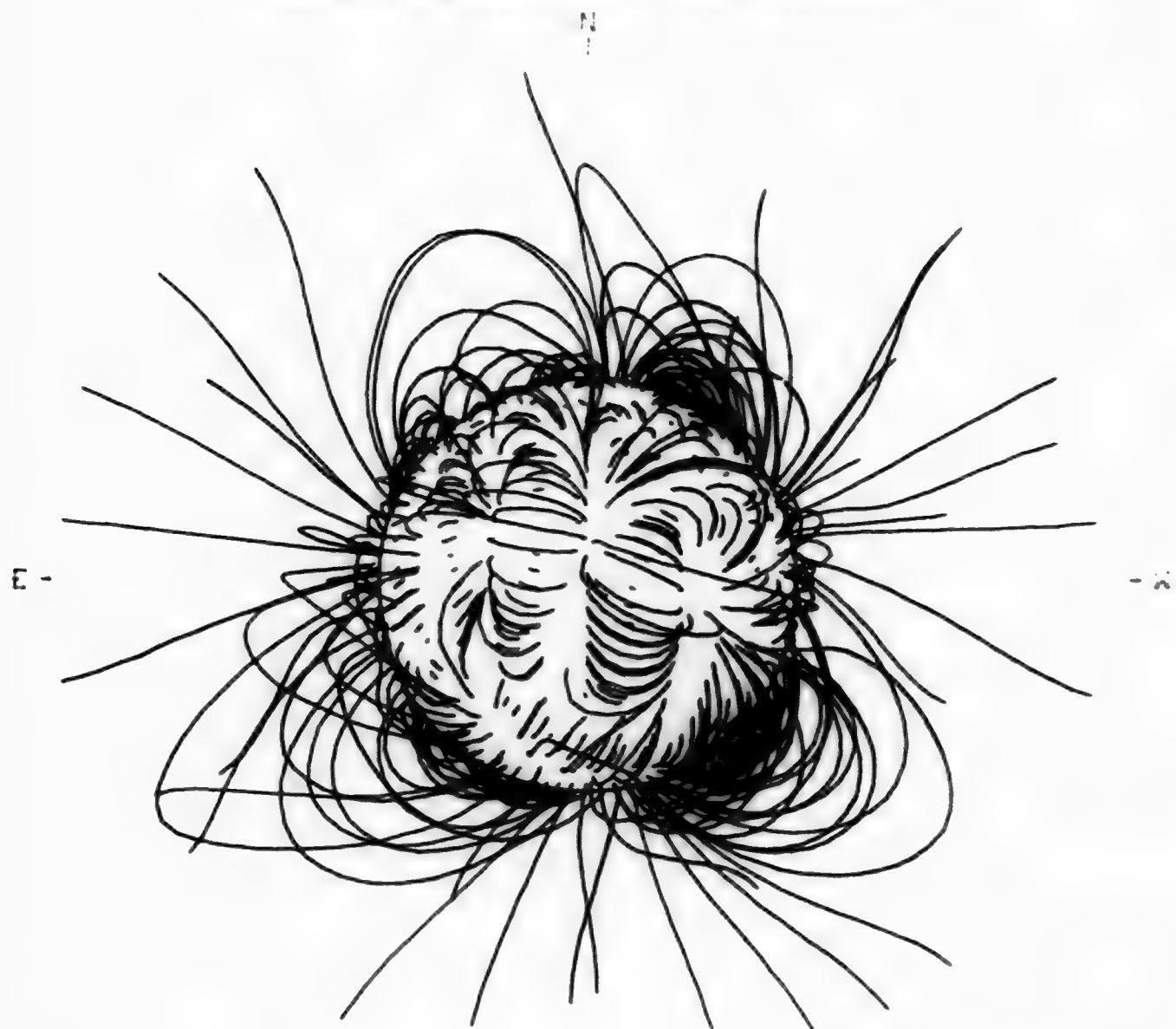
DATA WINDOW 1475.61

S

ROT. 1476 LONG. 250°

13.8 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

1
S

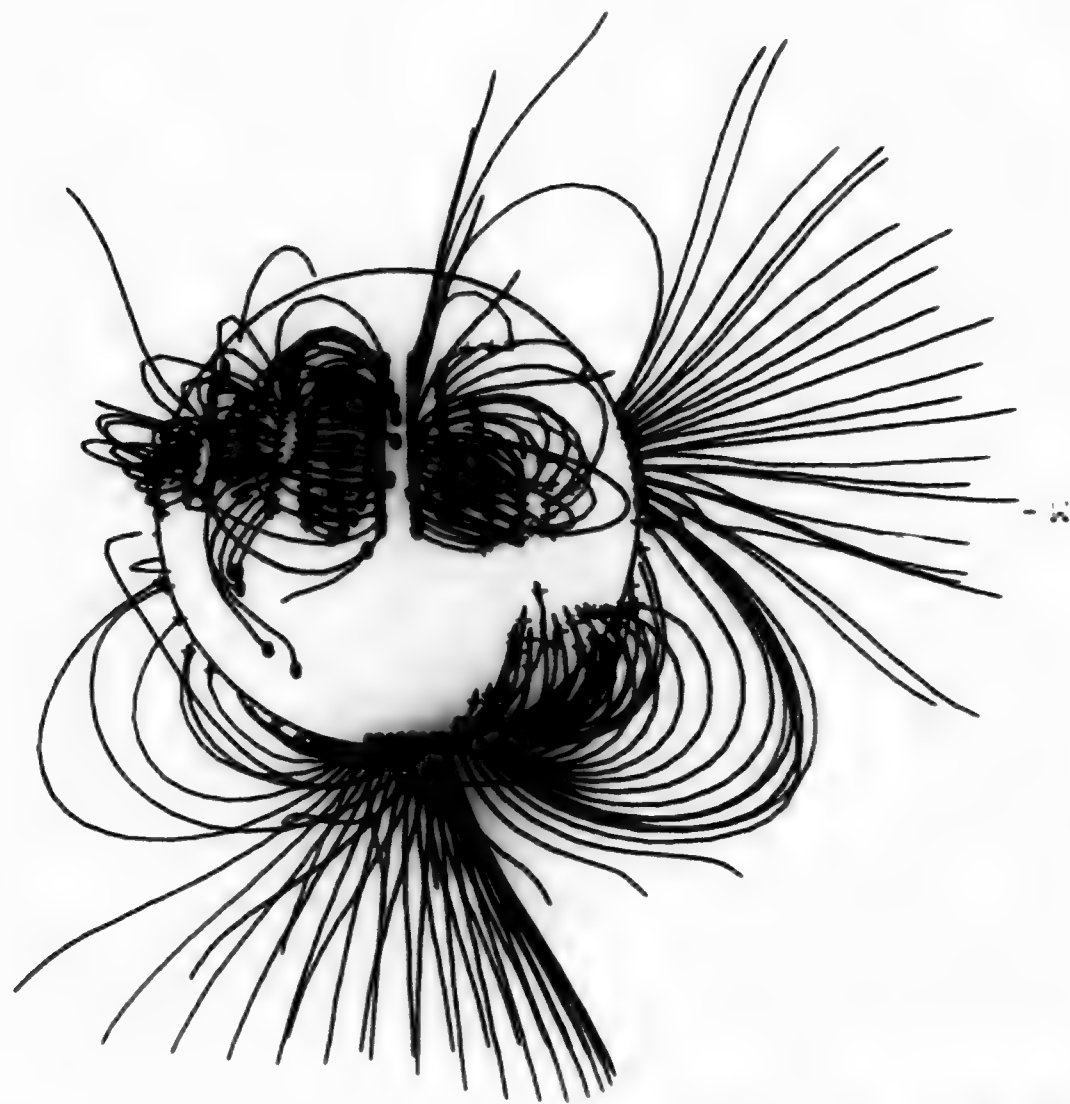
ROT. 1475 LONG. 220°

14.5 JAN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

11
1

E -



QUALITY POOR

POLES AVERAGED

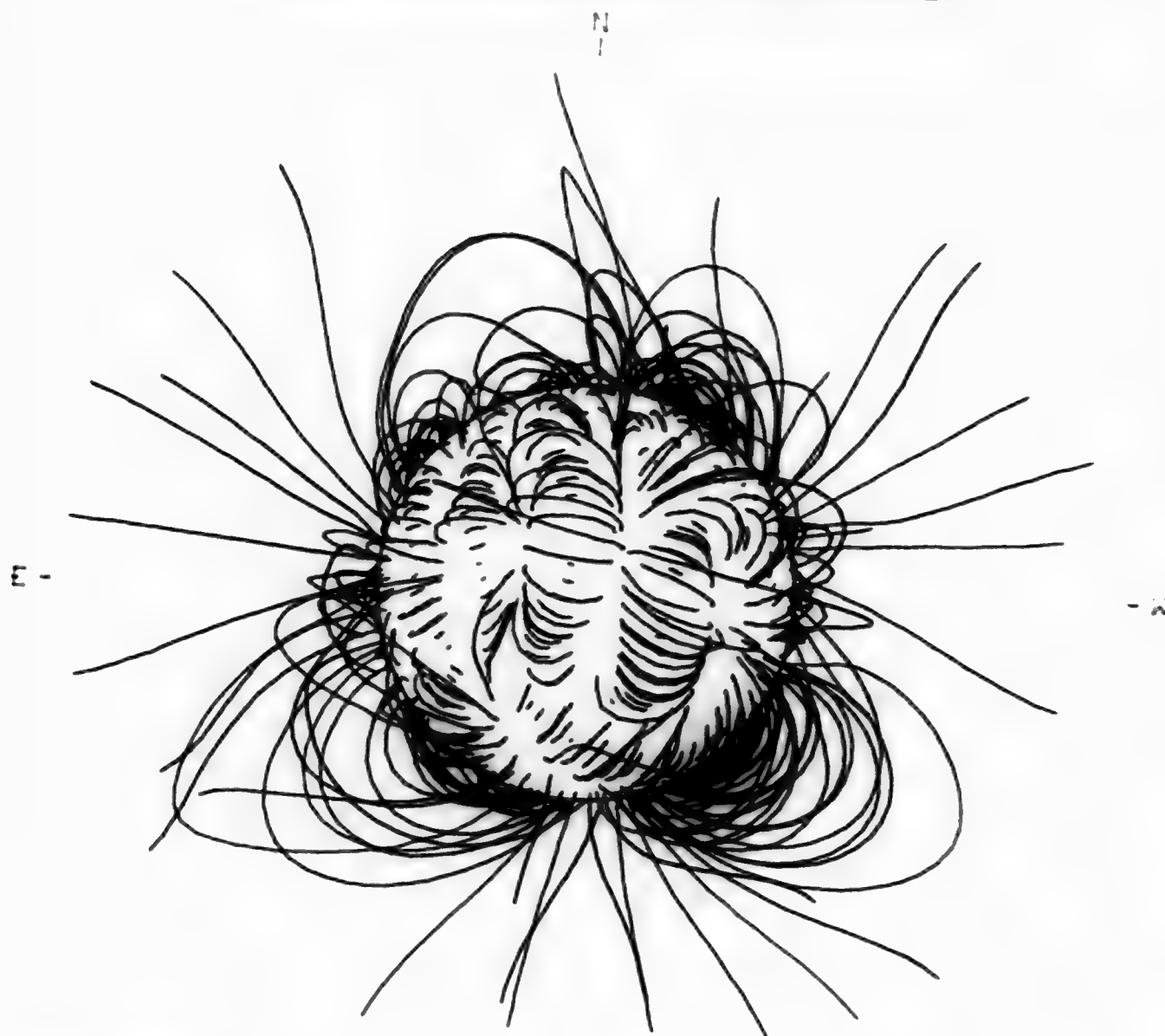
DATA WINDOW 1475.61

1
S

ROT. 1475 LONG. 221°

14.5 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
 POLES AVERAGED
 DATA WINDOW 1475.61

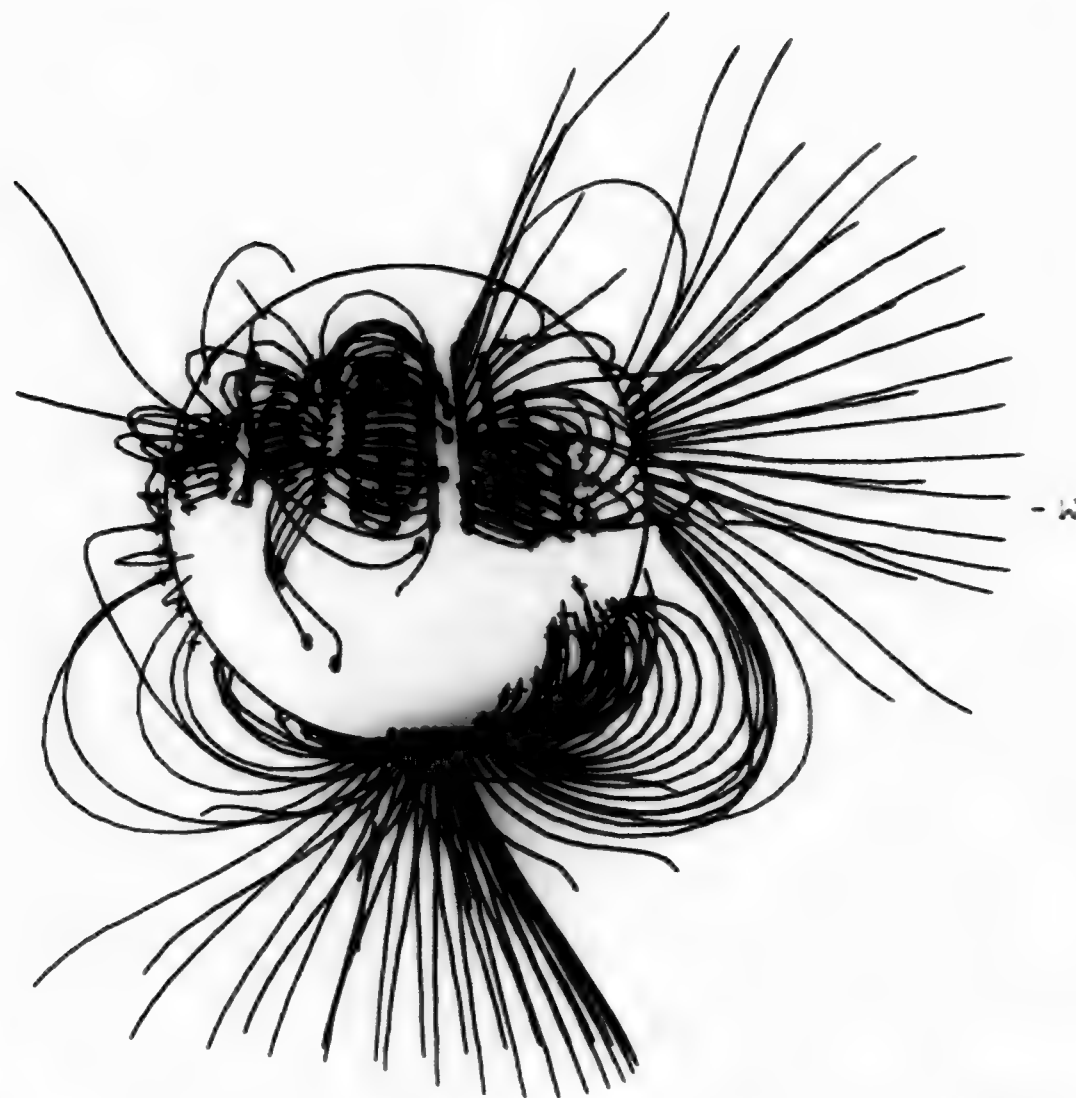
! S

ROT. 1276 200. 211°
 15.5 121 1982

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

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S

QUALITY POOR

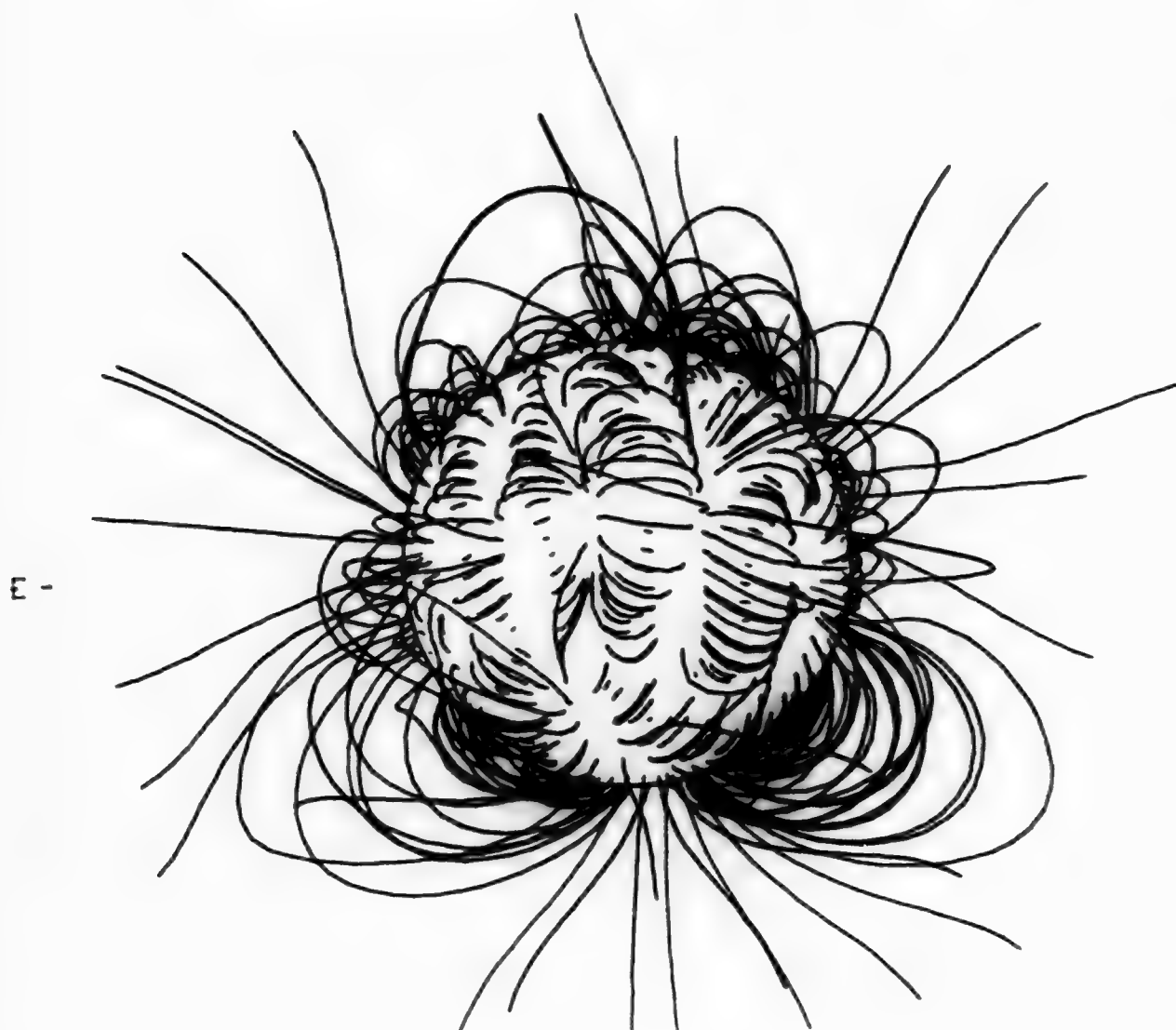
POLES AVERAGED

DATA WINDOW 1475.61

ROT. 1475 1475.21°

15.3 1475 1475

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



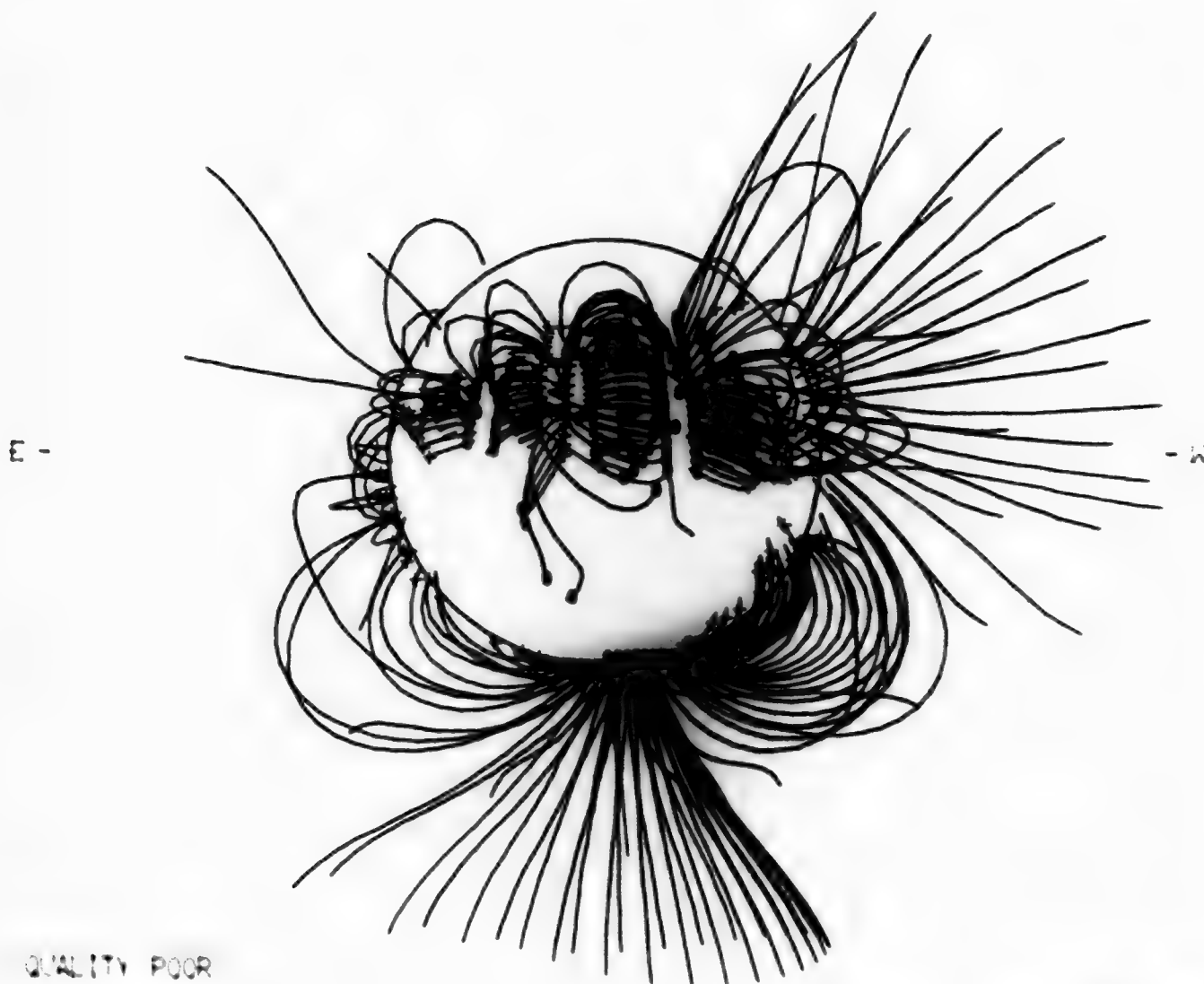
QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

S

ROT. 1475 LONG. 210°
16.0 1021 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



QUALITY POOR

POLES AVERAGED

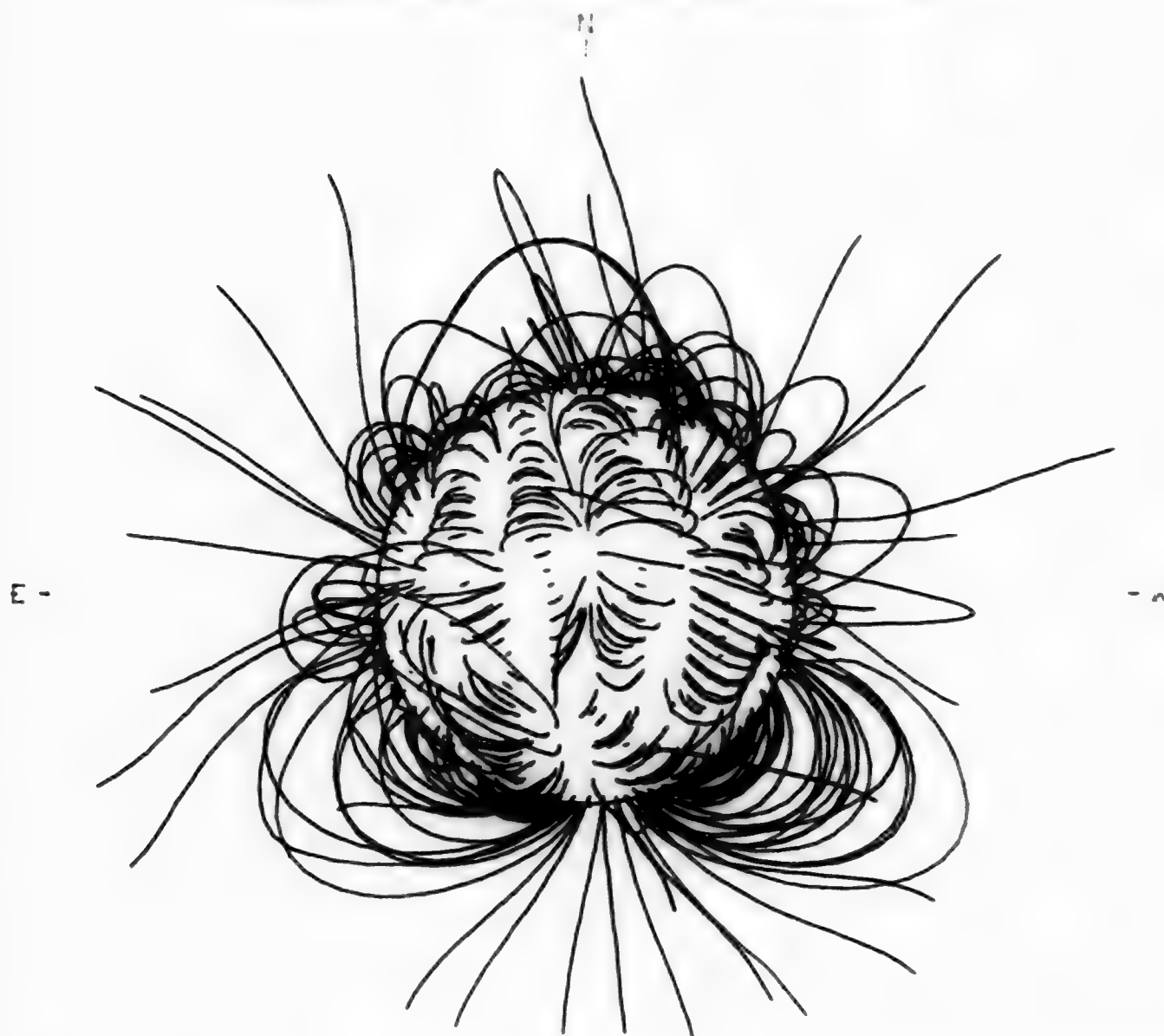
DATA WINDOW 1475.61

S

ROT. 1475 1016.211°

15.1 121. 1982

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

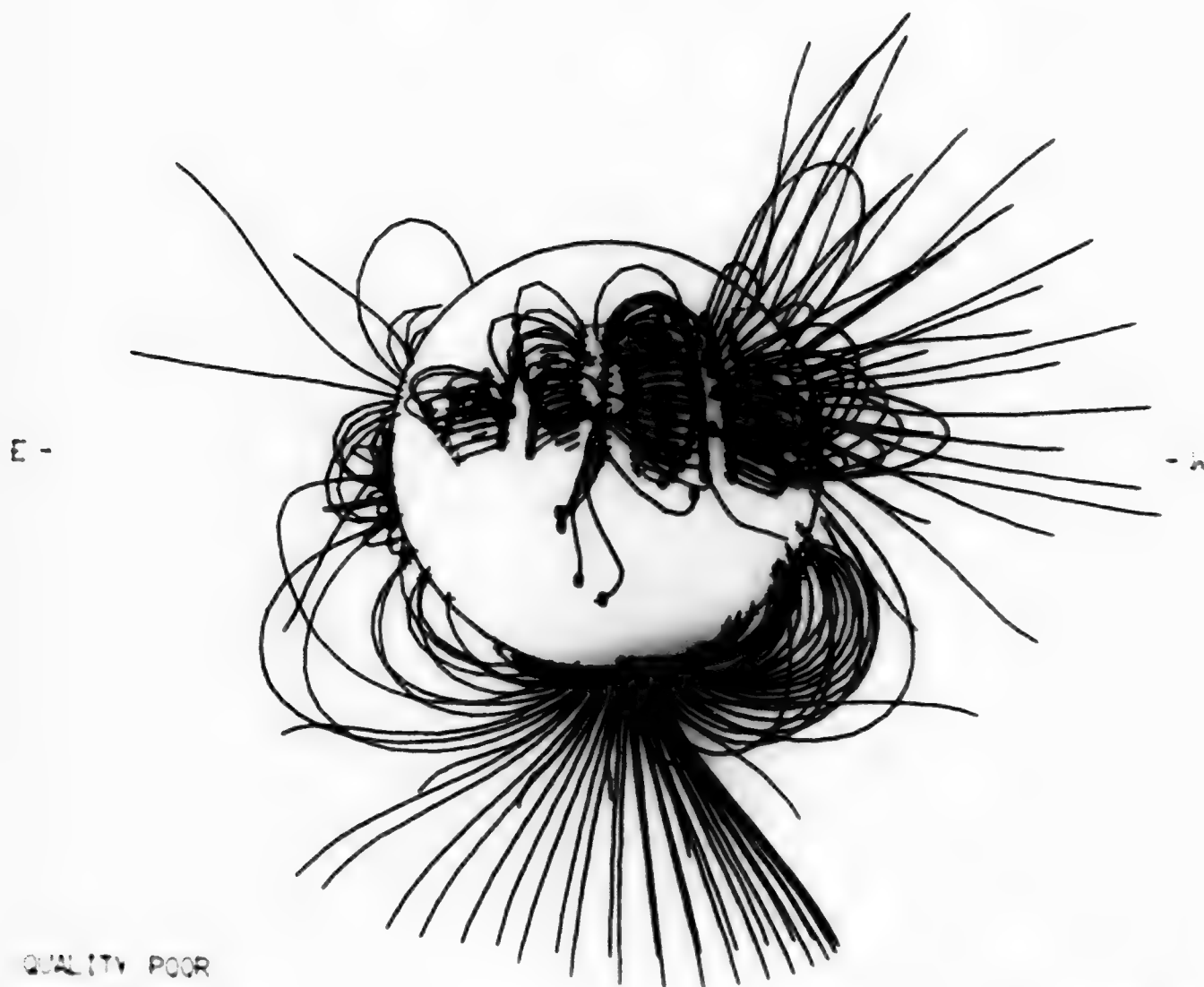
S

ROT. 1476 LONG. 191°

16.8 JAN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY POOR

POLES AVERAGED

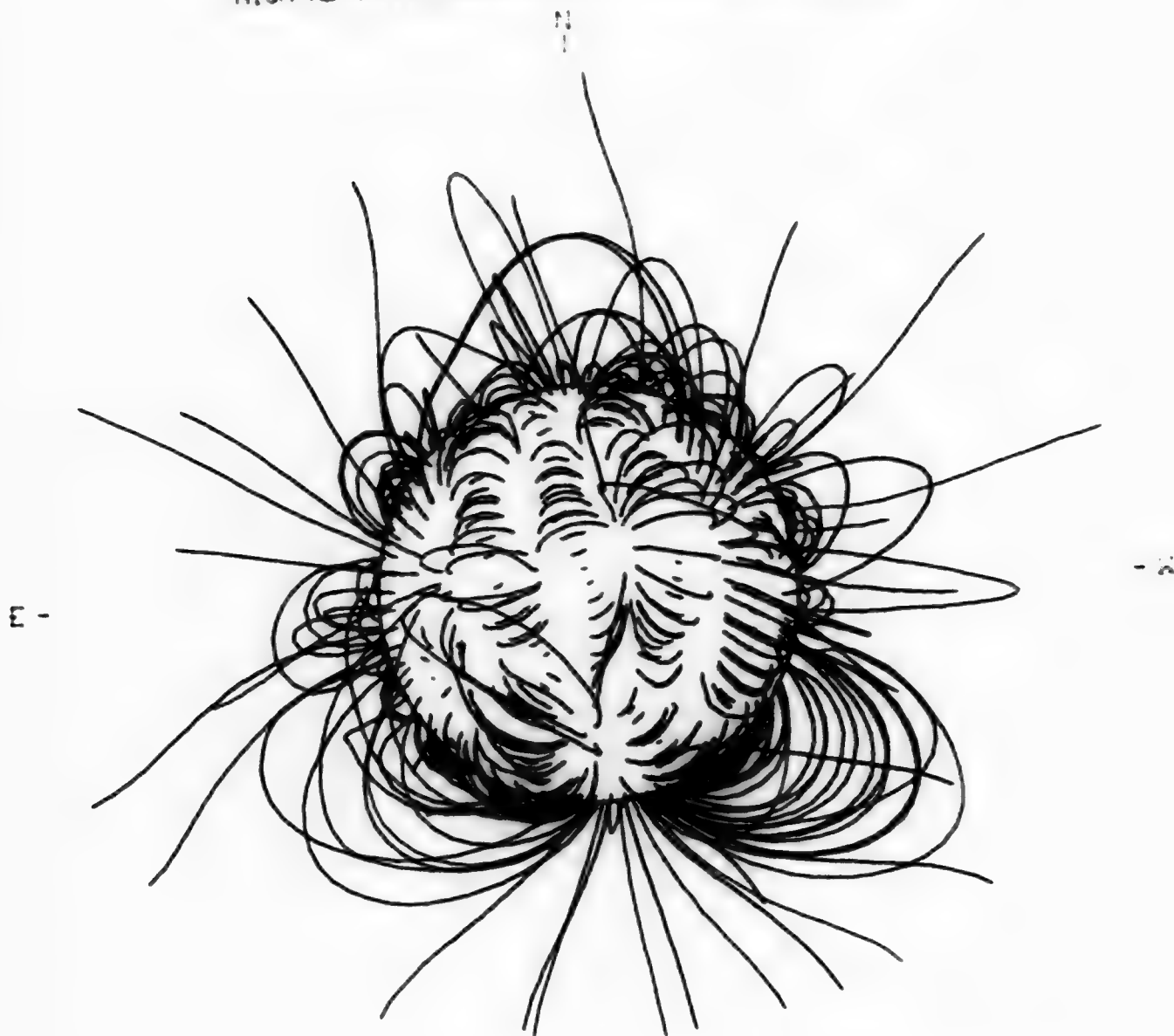
DATA WINDOW 1475.61

S
|

ROT. 1475 LONG. 140°

16.8 JAN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

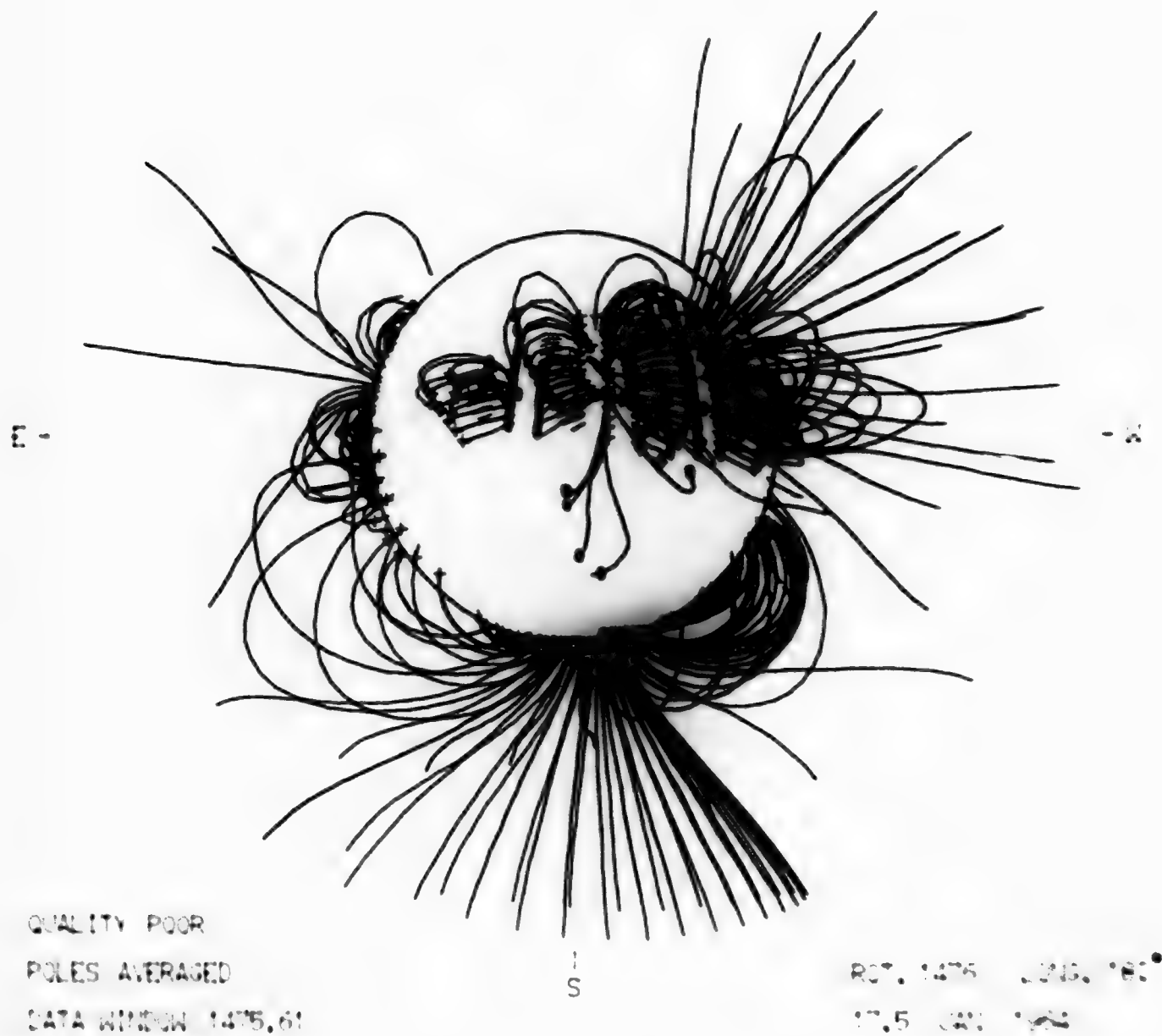


QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

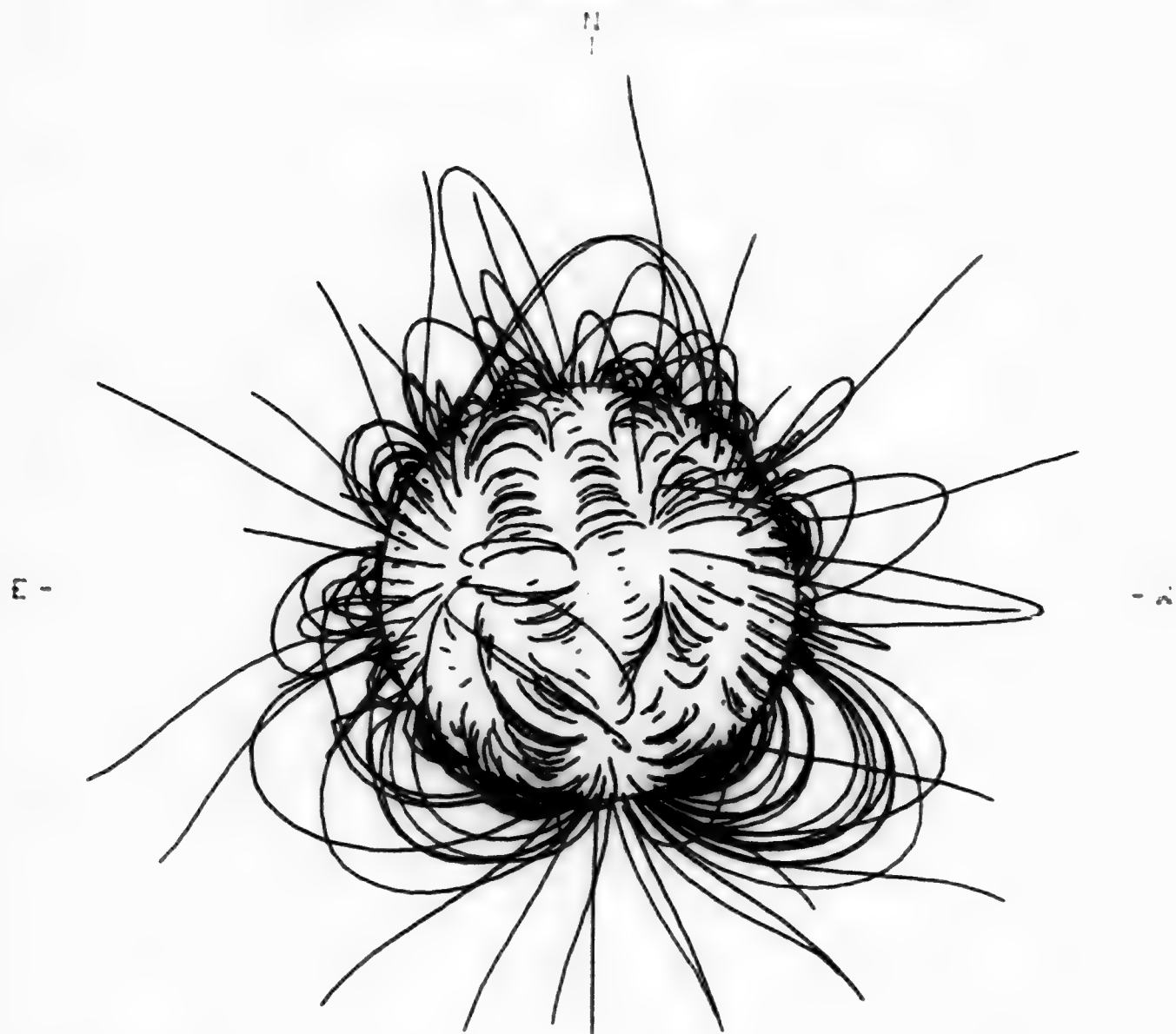
1
S

ROT. 1276 LONG. 180
17.5 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

DATA WINDOW 1475.61

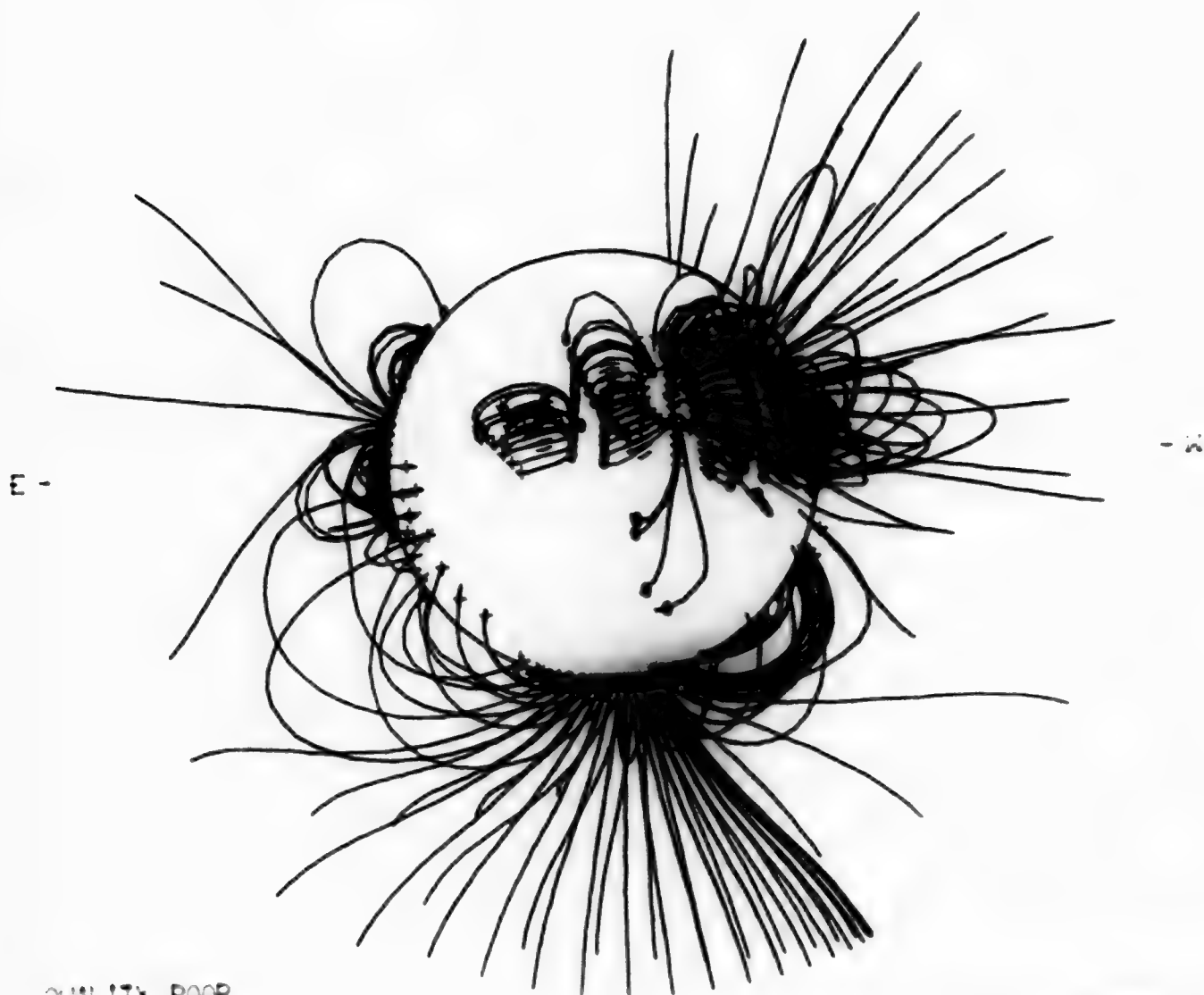
1
S

ROT. 1476 LONG. 170°

18.3 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

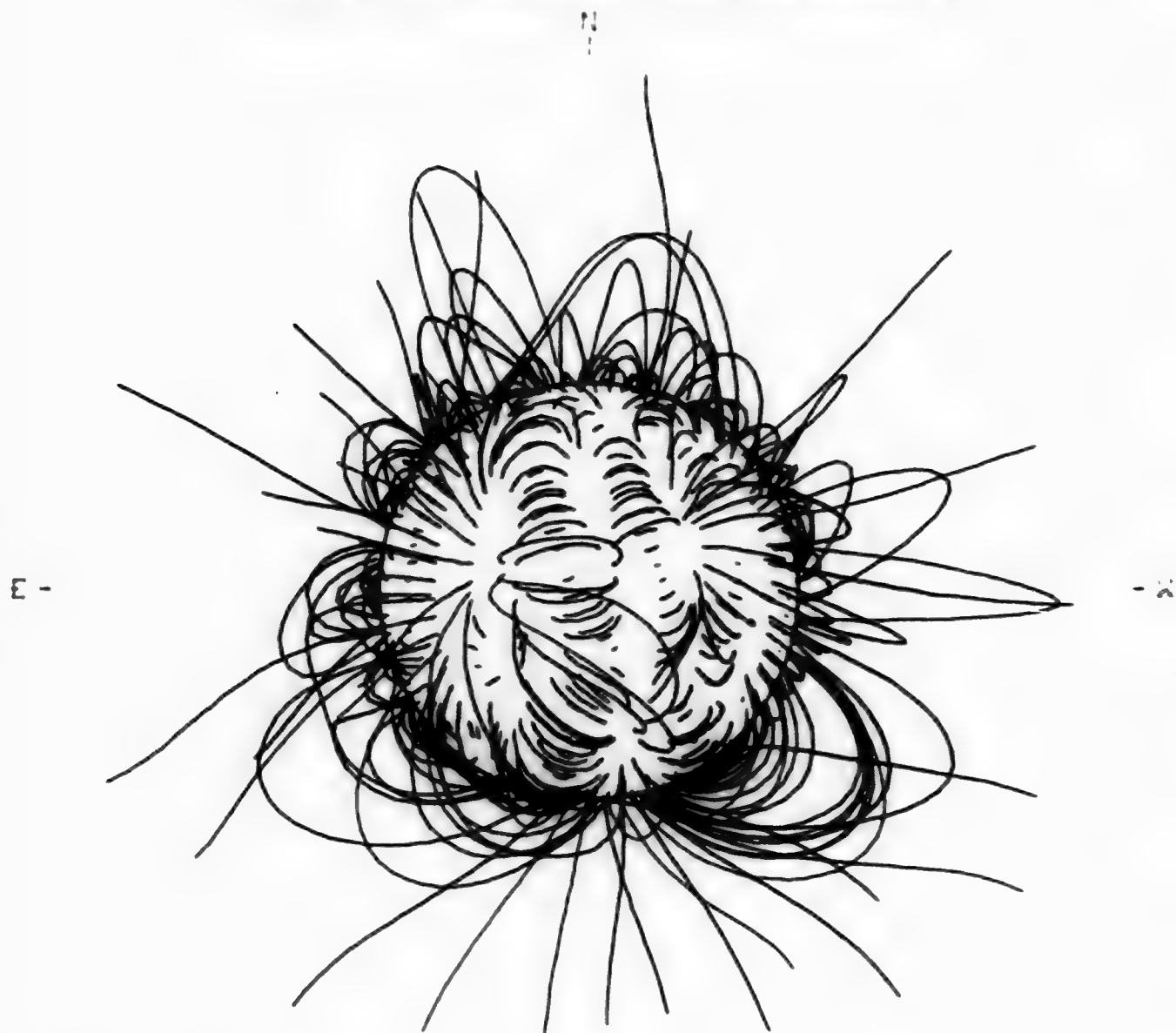


QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

S
|

ROT. 1476 LONG. 171°
18.5 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

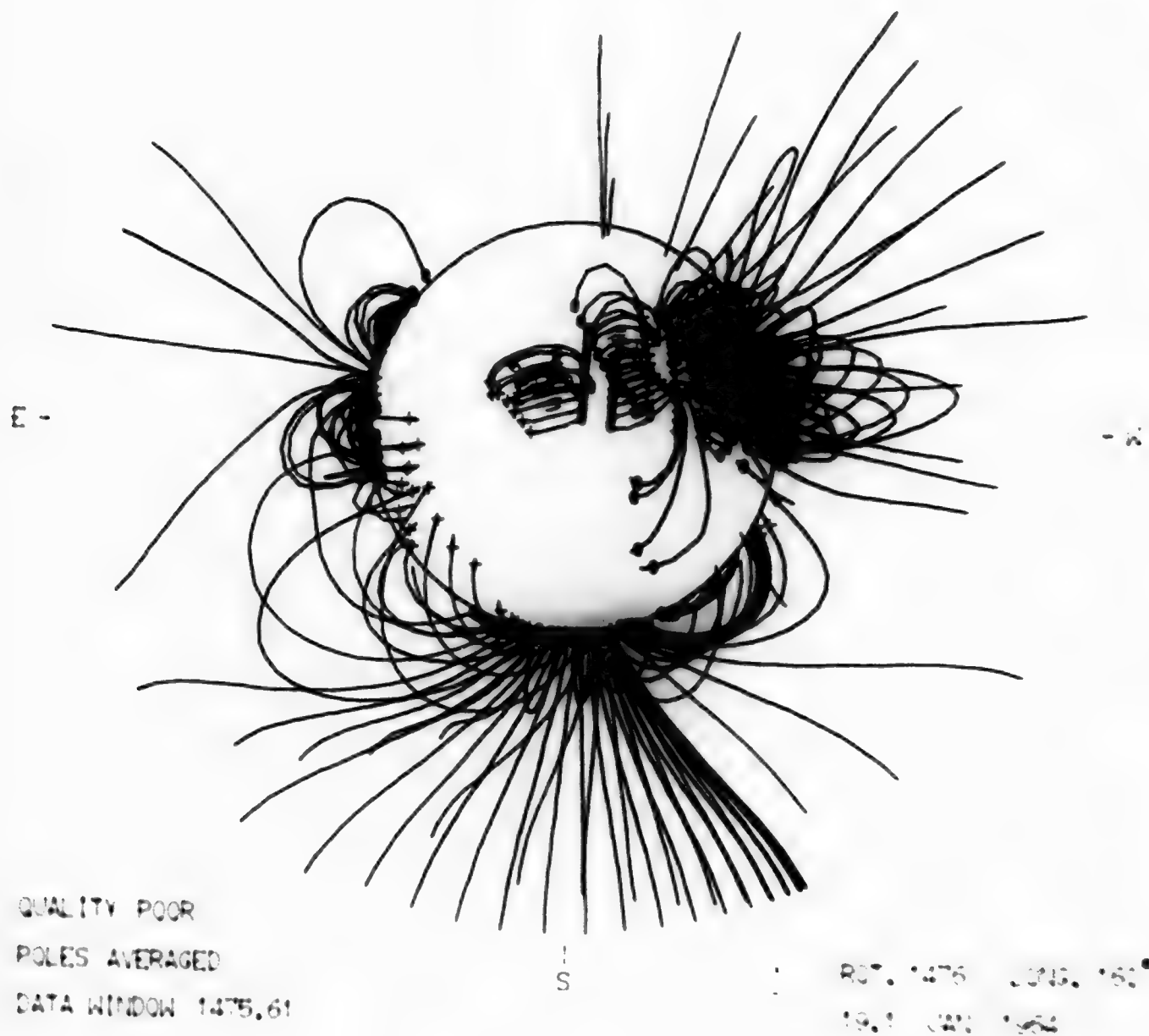
DATA WINDOW 1475.61

S

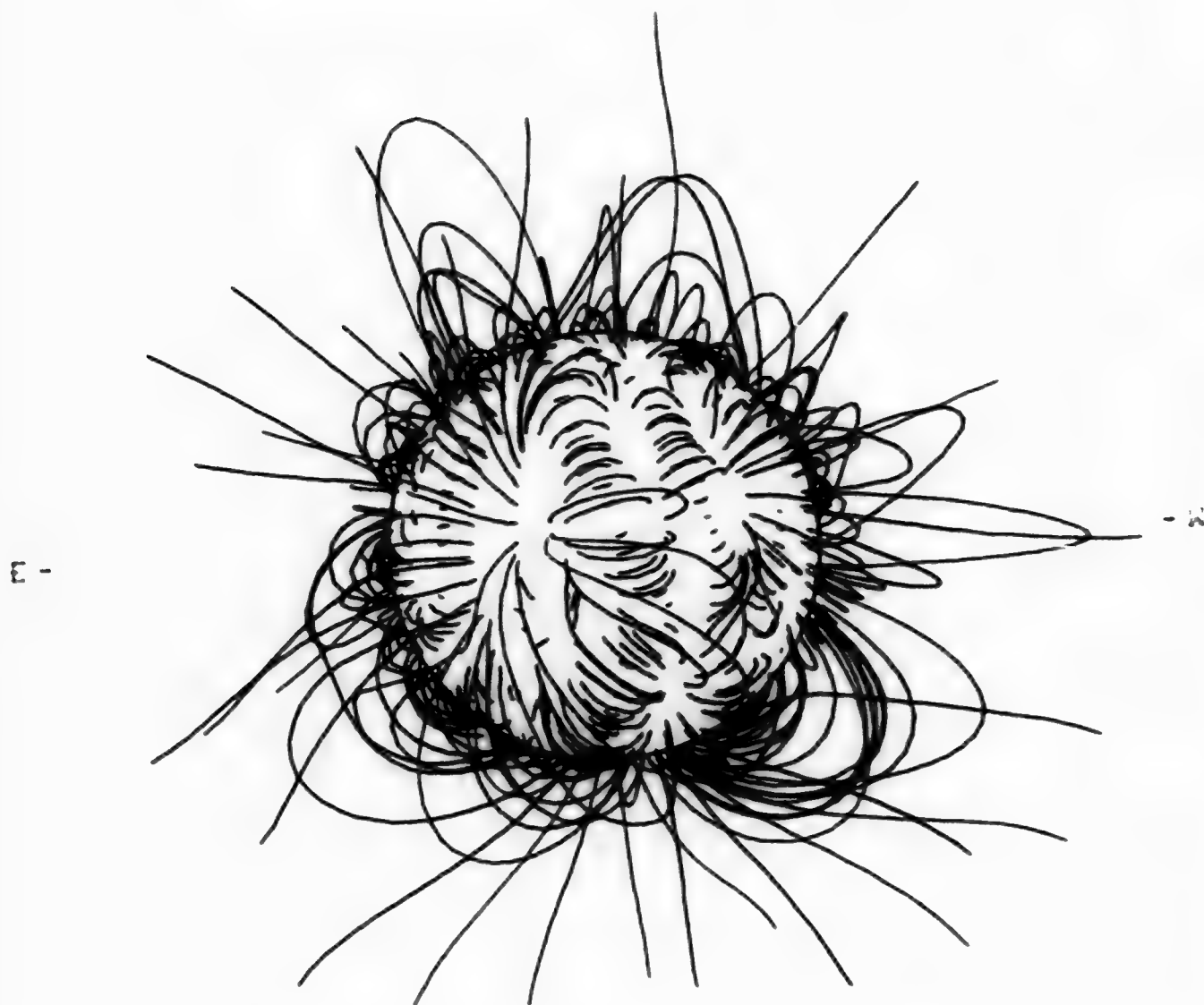
ROT. 1475 LONG. 150°

19.1 JAN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

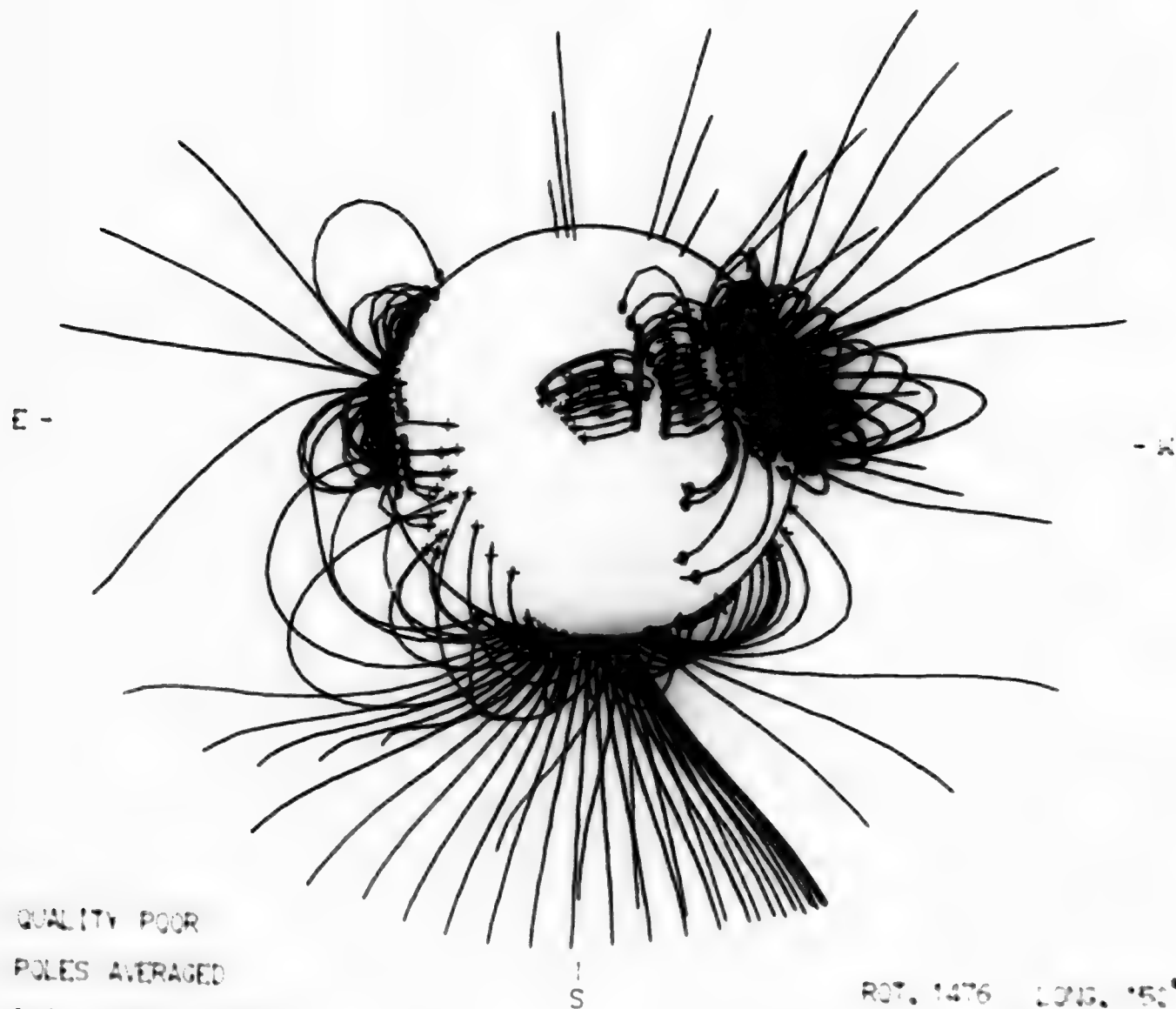


QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

S

ROT. 1476 LONG. 150°
19.8 JAN 1962

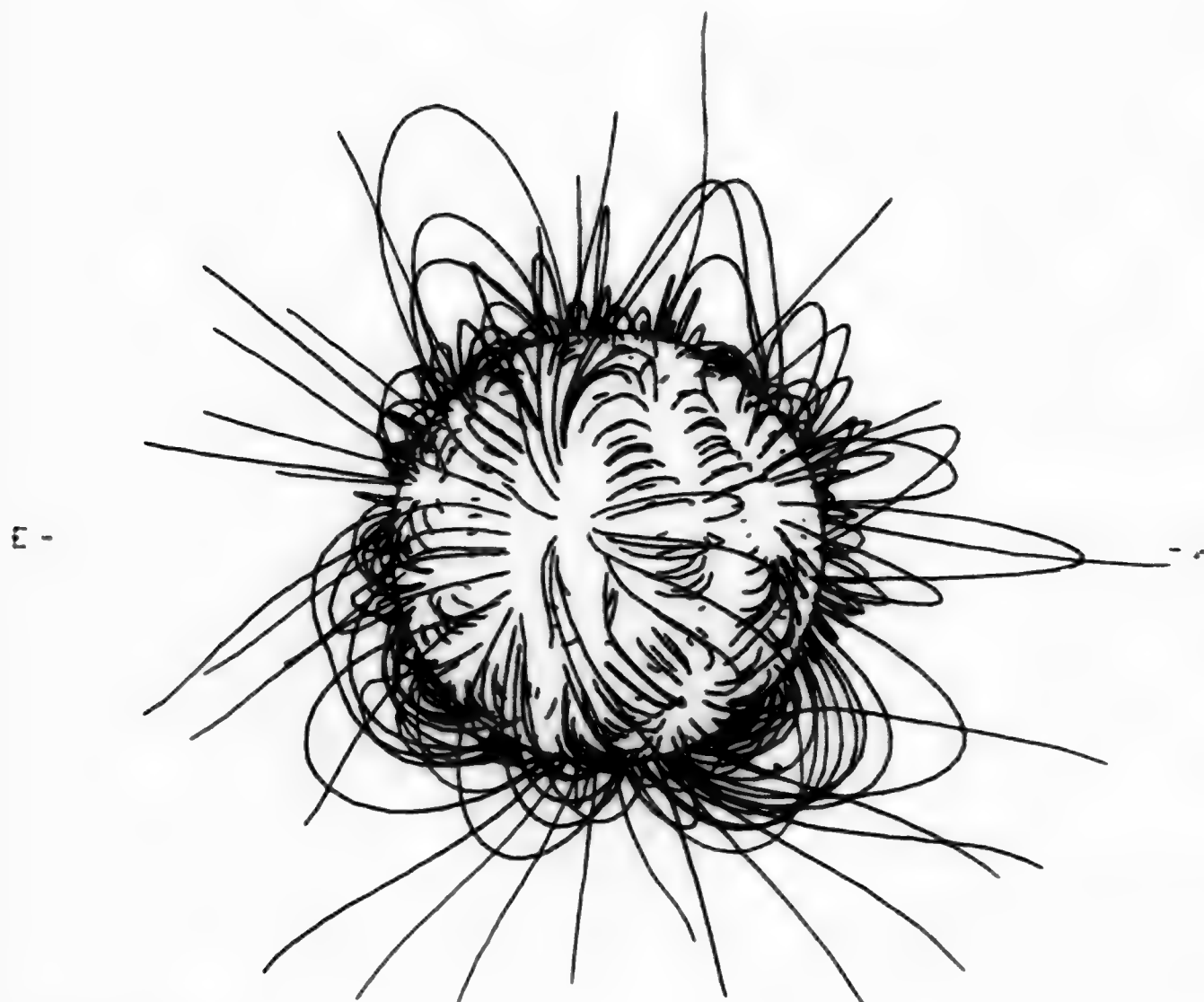
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR
POLES AVERAGED
DATA WINDOW 1475.61

ROT. 1476 LONG. 150°
19.8 1971 1972

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY POOR

POLES AVERAGED

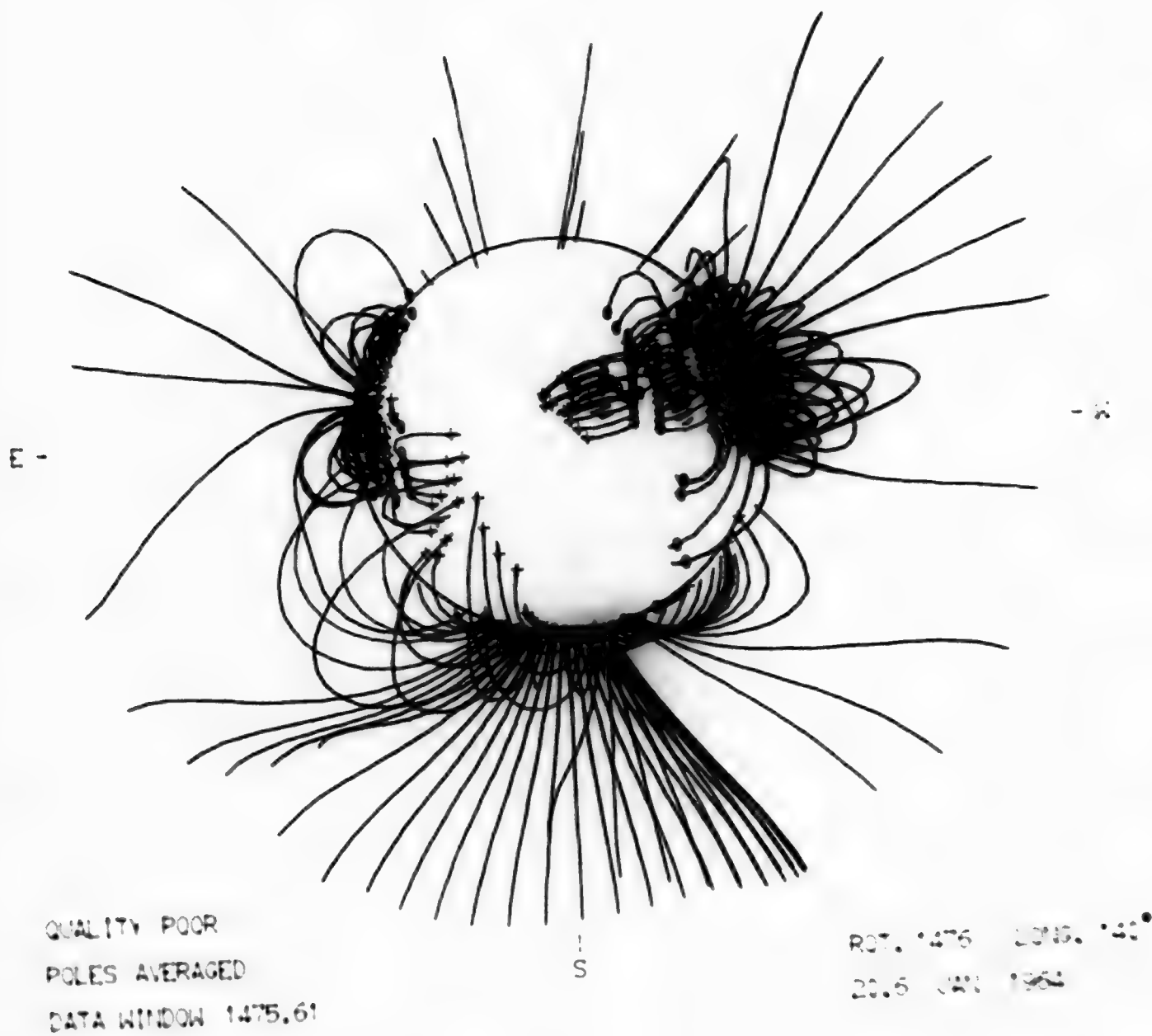
DATA WINDOW 1475.61

S

ROT. 1475 1475.61

20.5 1475 1475

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

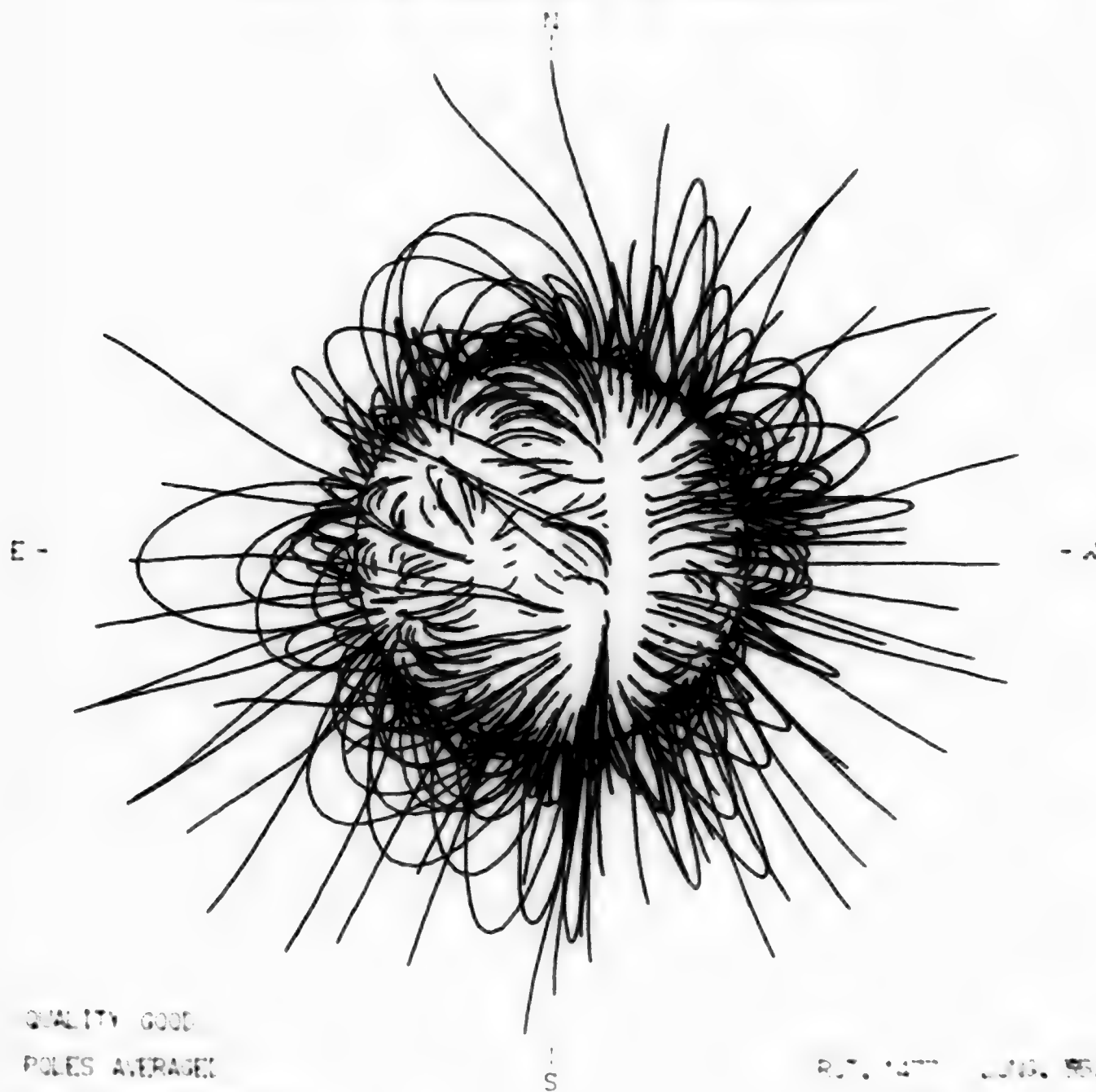


NO OBSERVATIONS

ROT. 1476 LONG. 130--ROT. 1476 LONG. 0

20.7 JAN 1964--31.3 JAN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

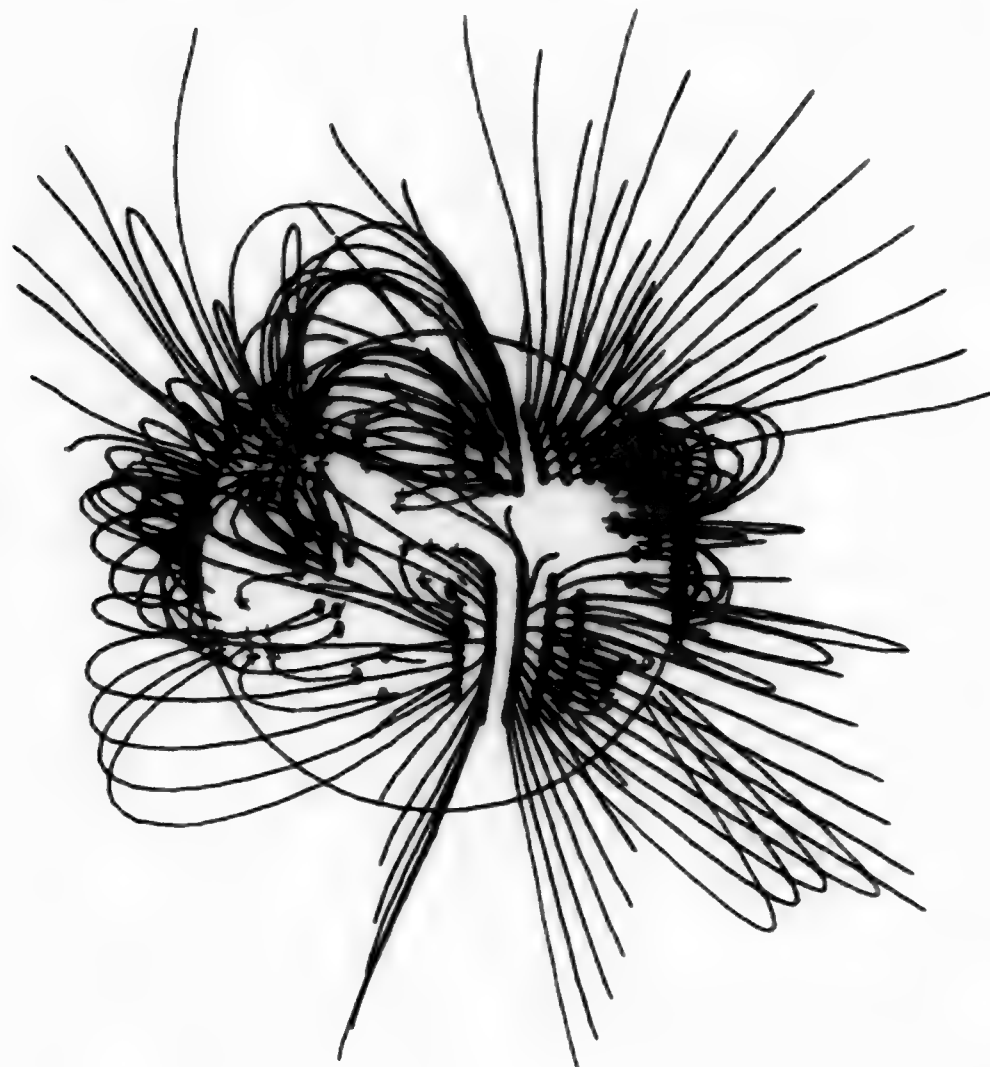
POLES AVERAGED

DATA WINDOW 1477.00

R.T. 1477 1477.00

1.0 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



E -

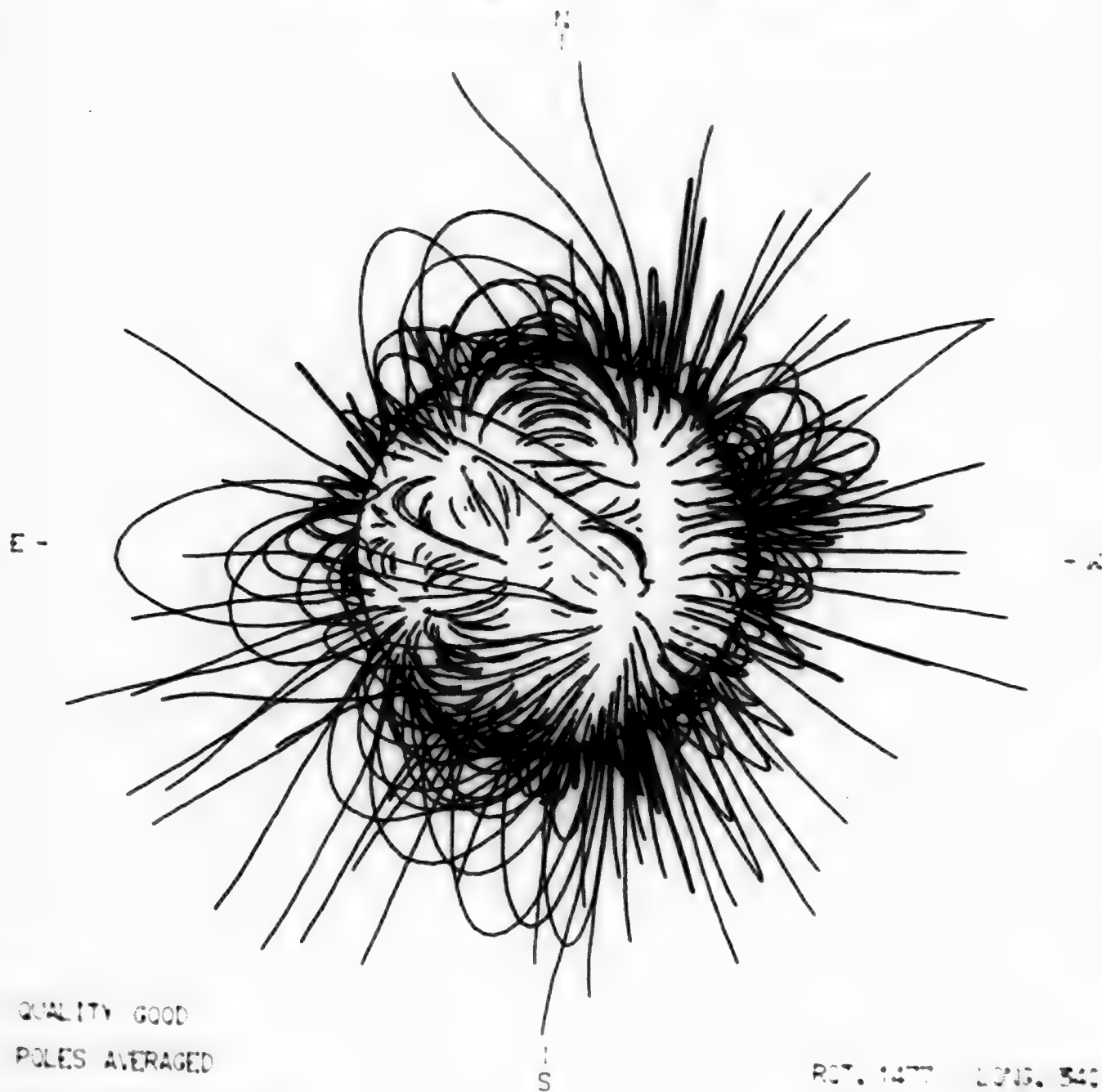
- W

QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

1
S

ROT. 1477 LONG. 550°
1.0 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

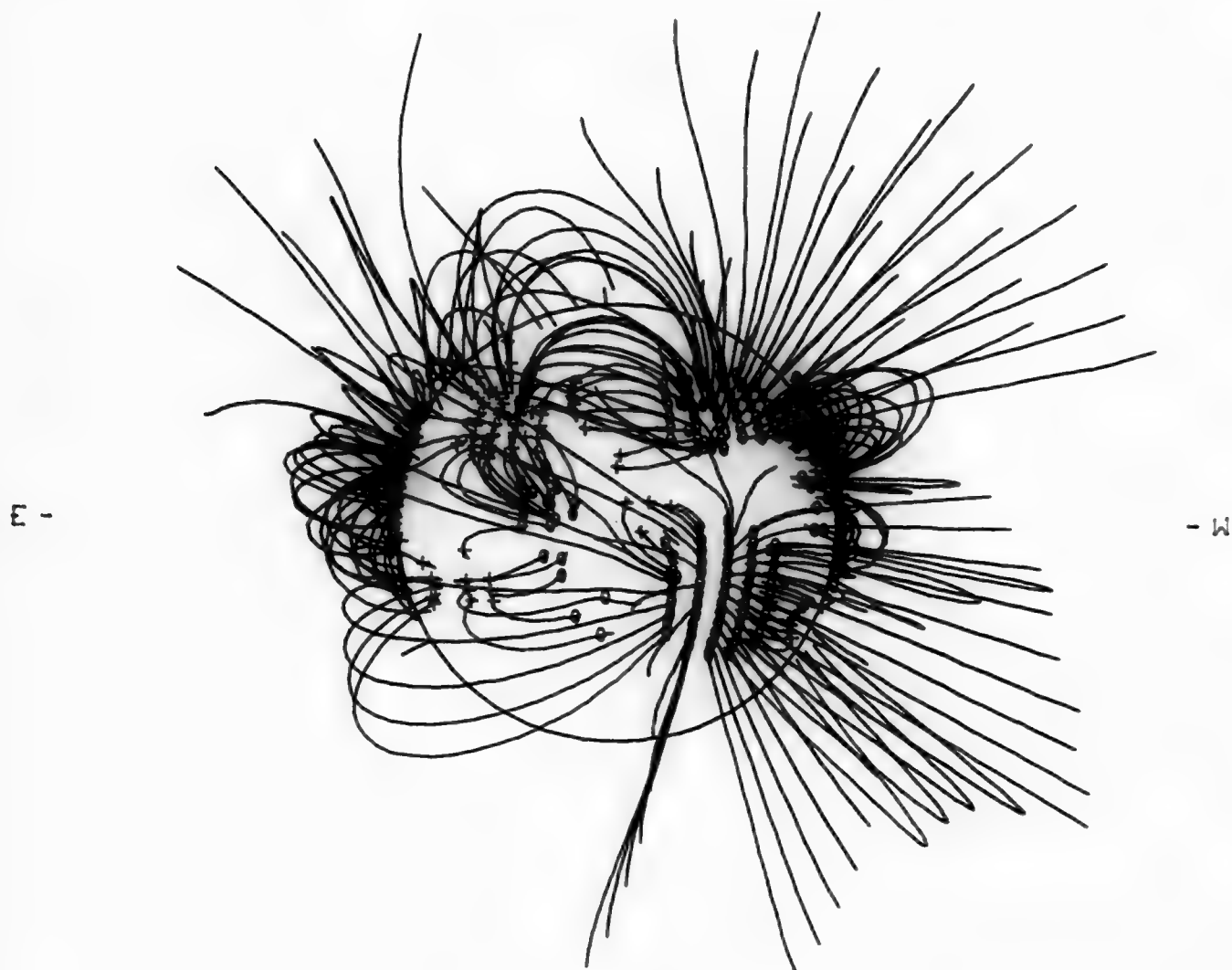


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.177.00

ROT. 1477 2016. 340°
1.8 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|



E -

- W

QUALITY GOOD

POLES AVERAGED

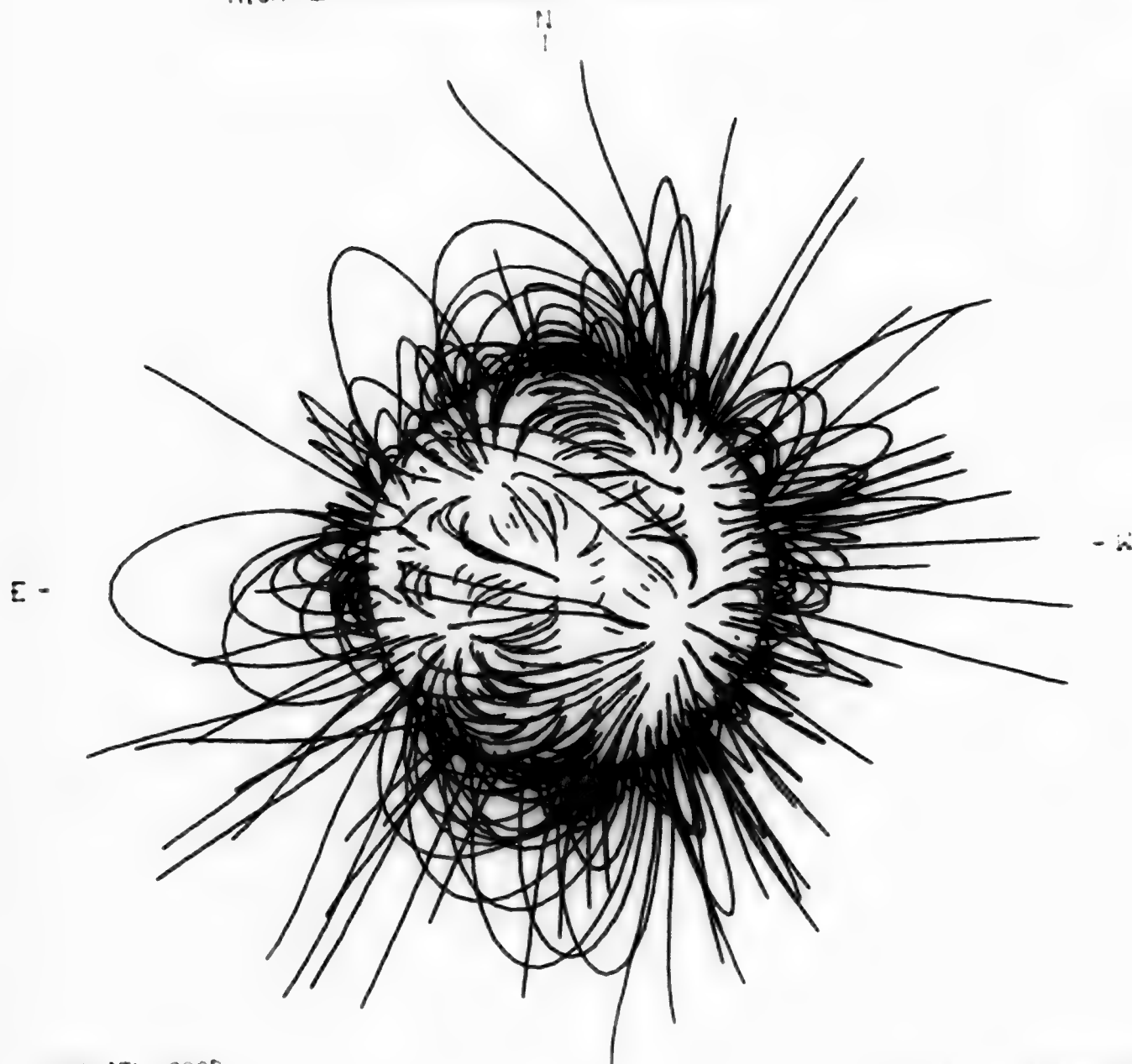
DATA WINDOW 1477.00

!
S

ROT. 1477 LONG. 340°

1.8 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

ROT. 1477 LONG. 530°
2.5 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
!

E -

- W

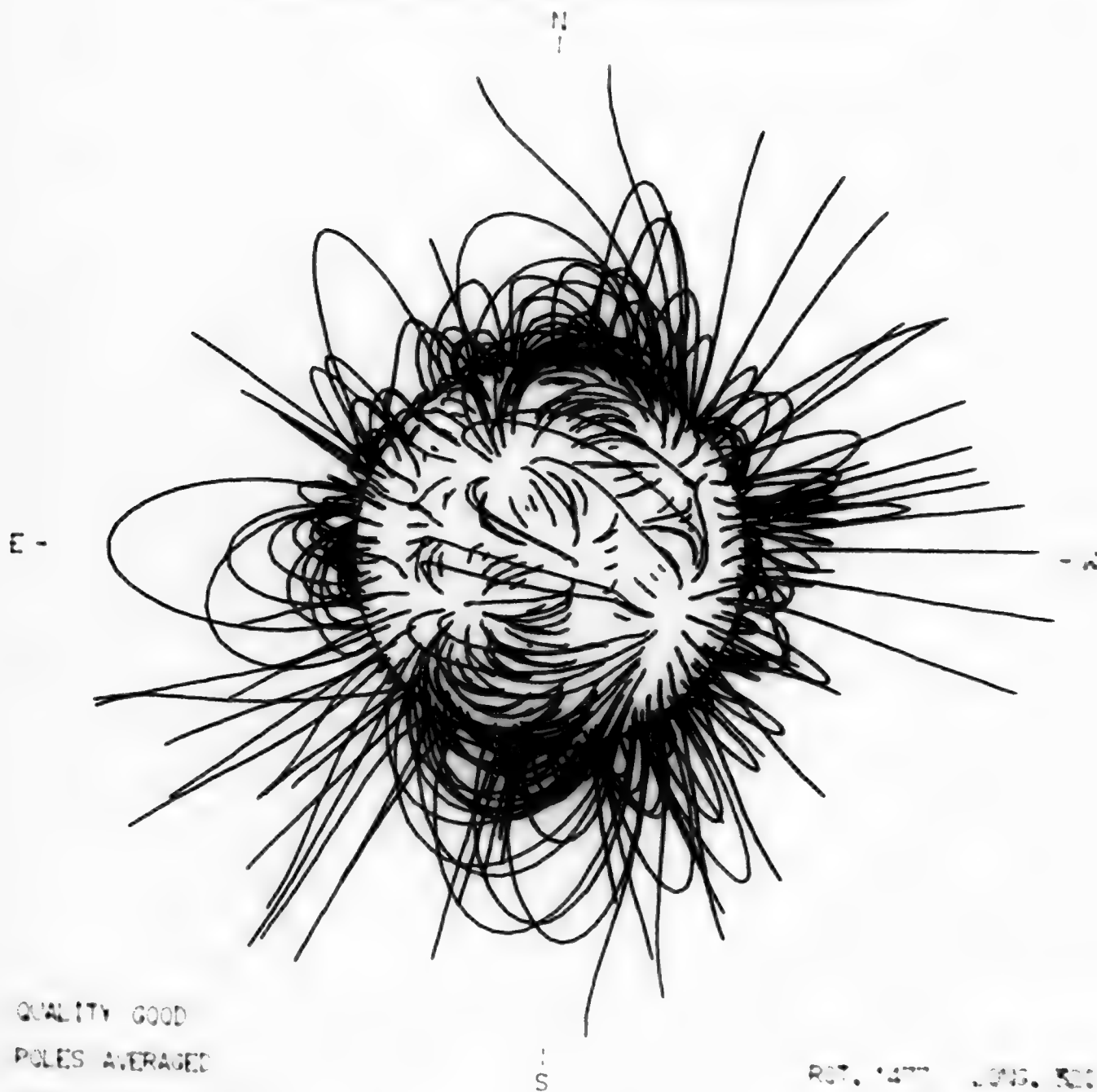
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

! S

RET. 1477 LONG. 55°
2.5 FEB 1964

/

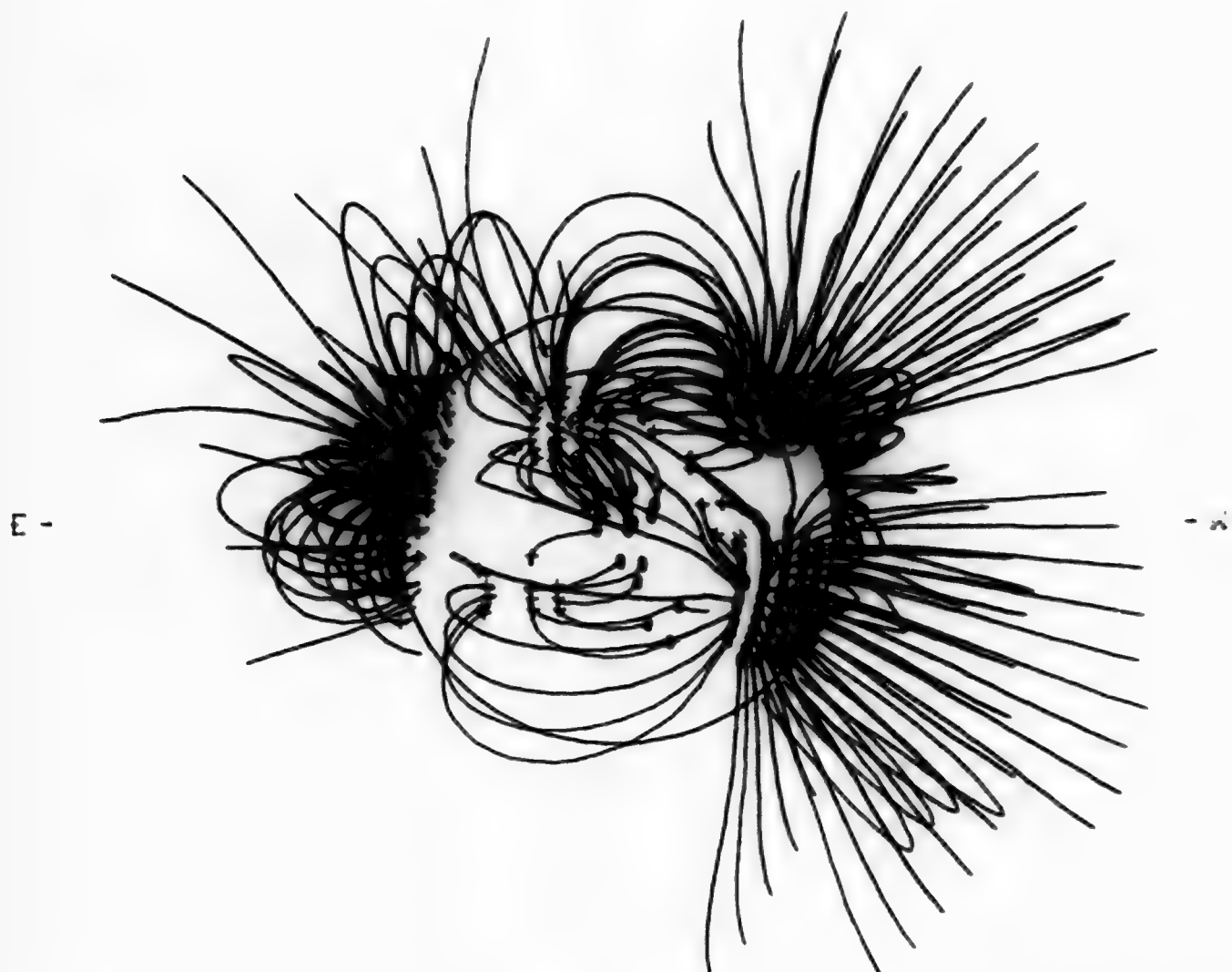
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

ROT. 1477 LONG. 301°
3.3 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

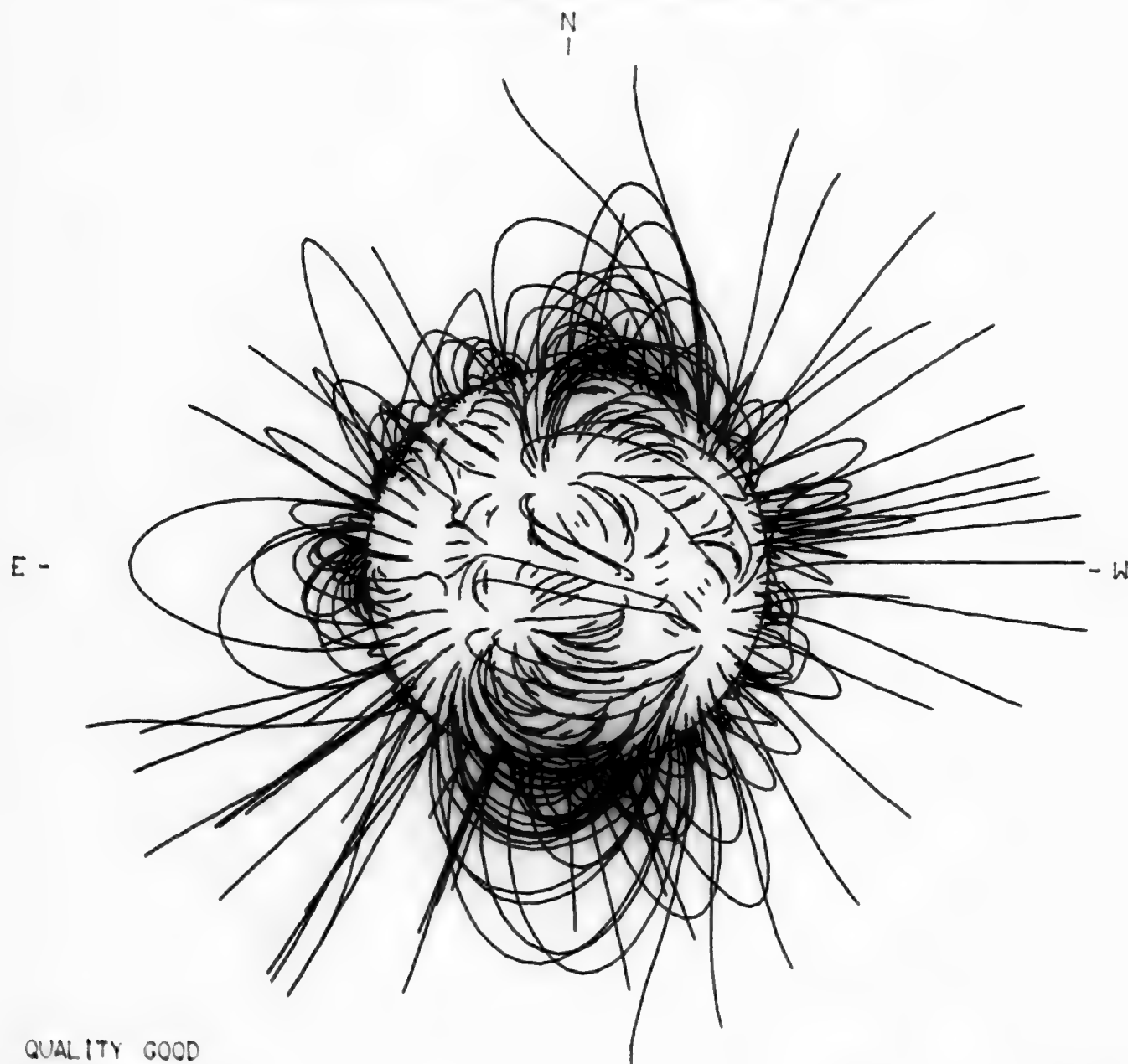


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

1
S

ROT. 1477 LONG. 301°
3.5 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1477.00

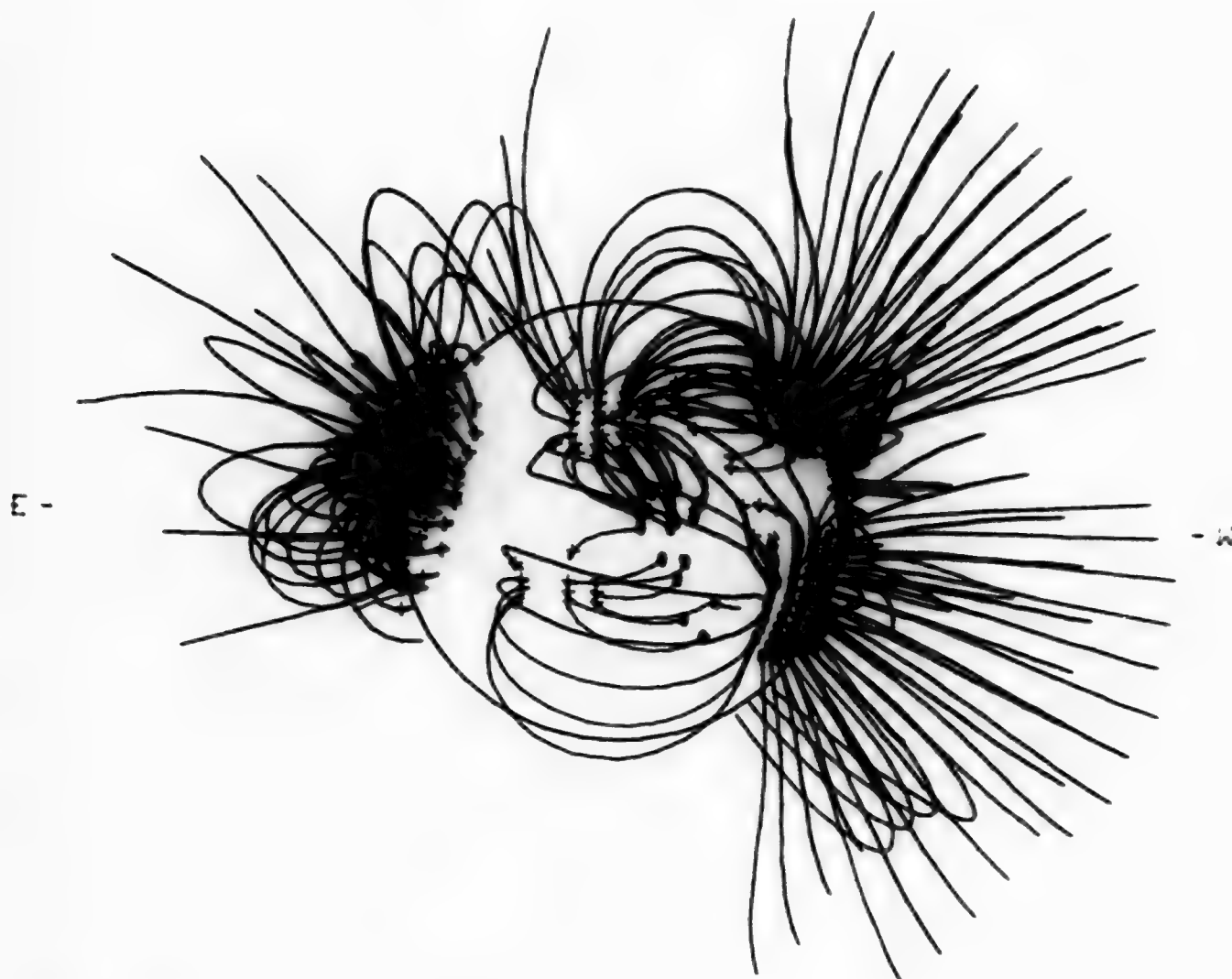
S

ROT. 1477 LONG. 310°

4.1 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

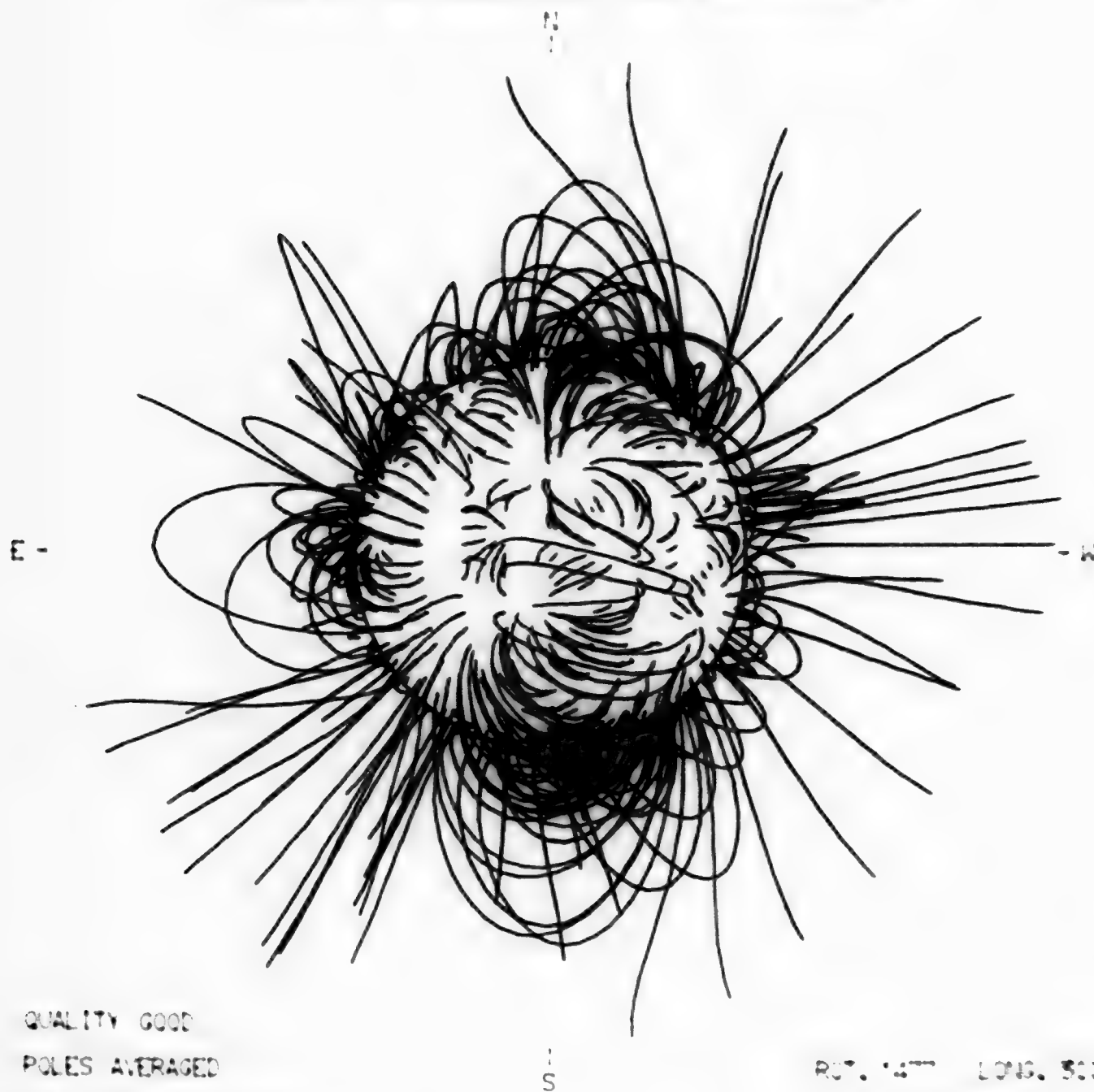


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

|
S

ROT. 1477 1916. 5.1°
4.1 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



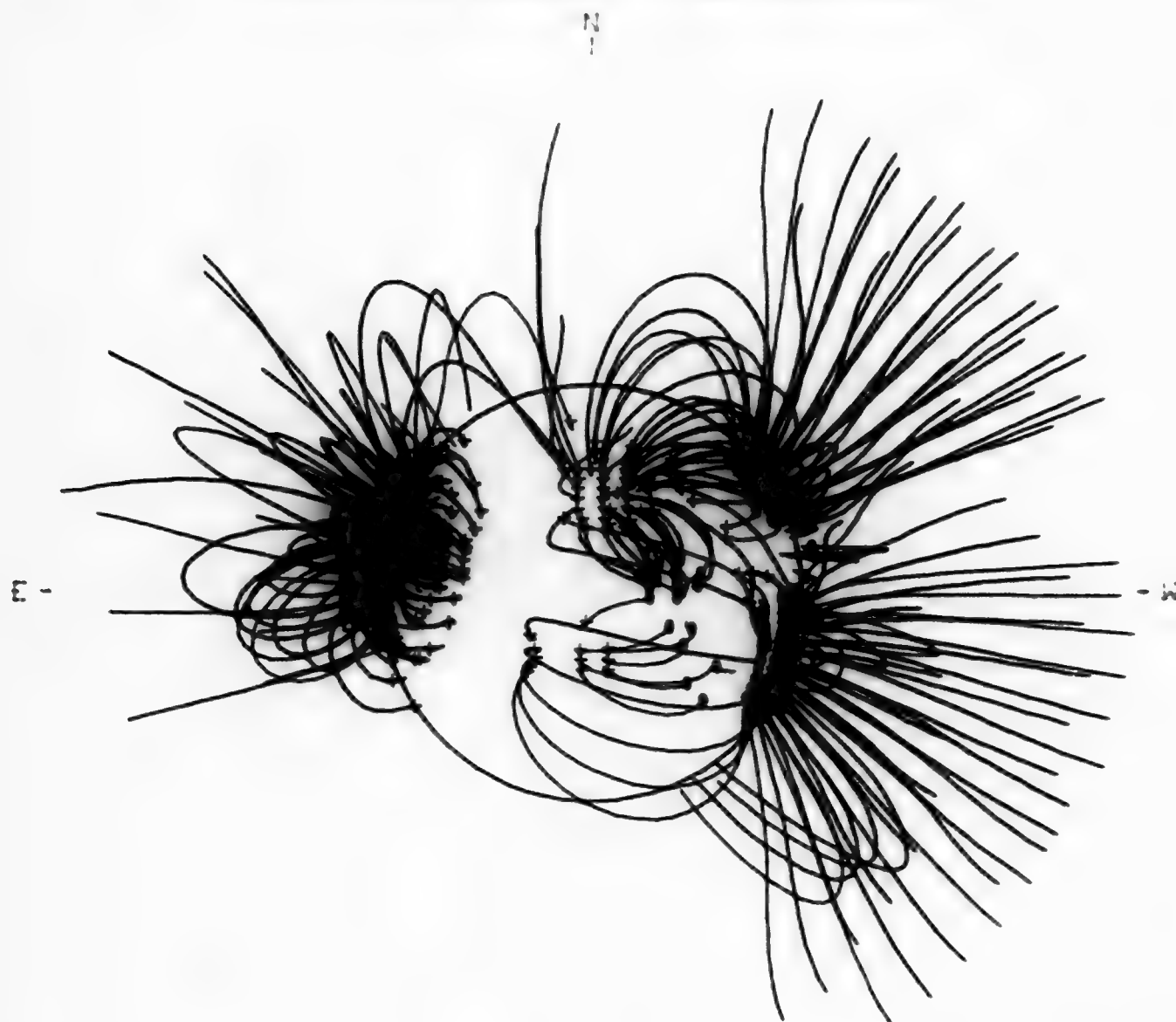
QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1477.00

ROT. 1477 LONG. 300°
4.8 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1477.00

!
S

ROT. 1477 LONG. 500°

4.8 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

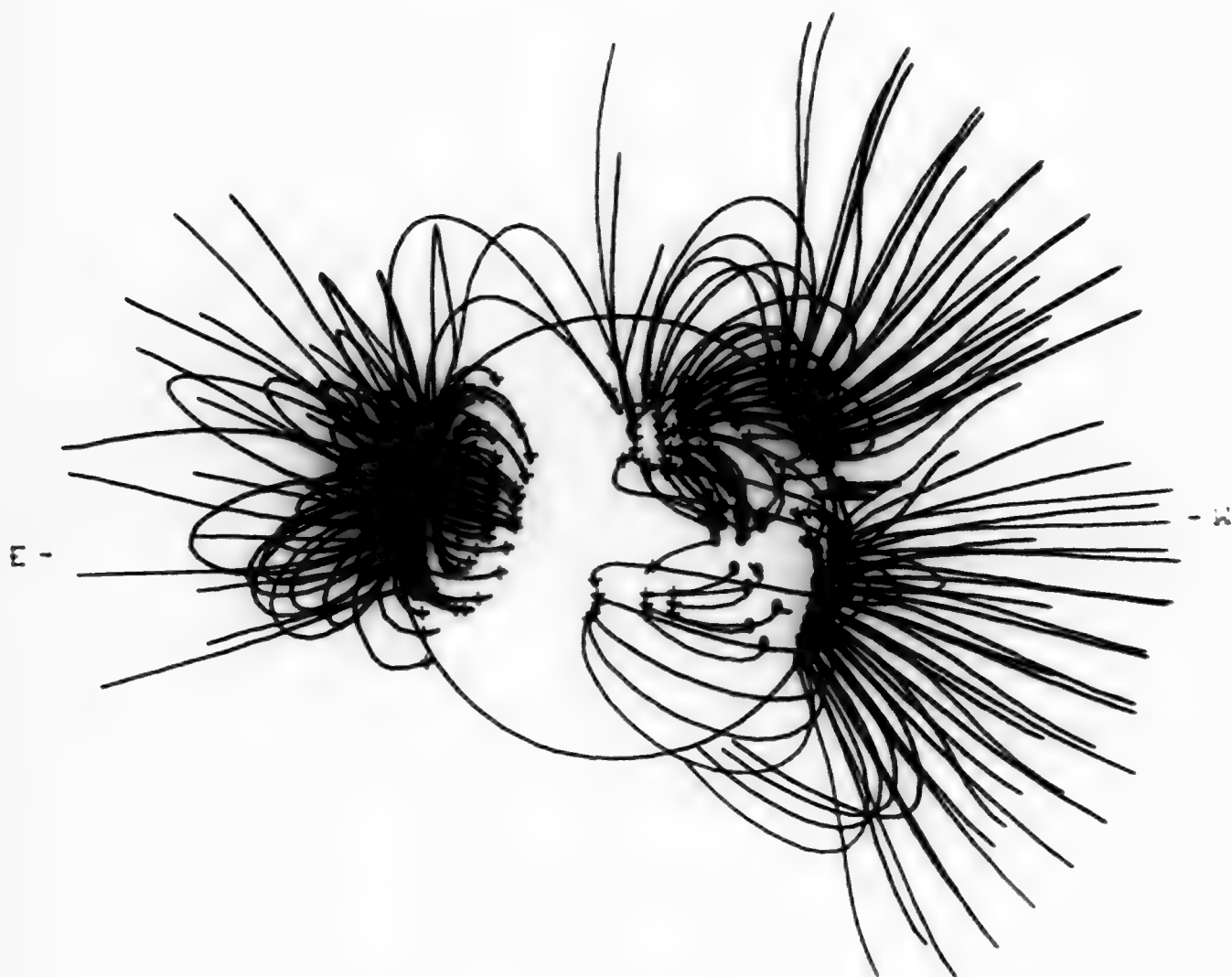
DATA WINDOW 1477.00

S

ROT. 1477 LONG. 241°

5.6 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

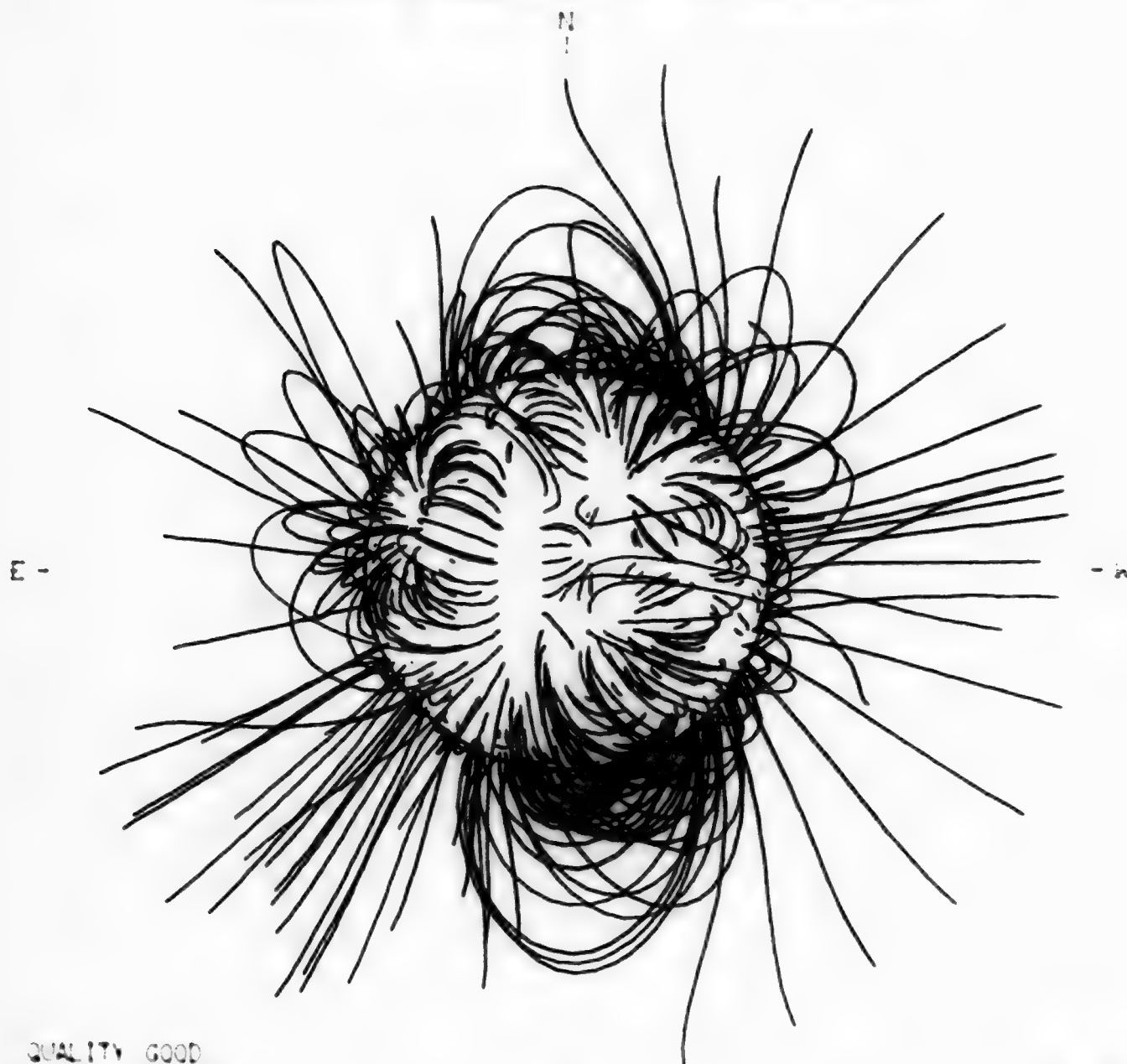


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

!
S

RET. 1477 LONG. 290°
5.6 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

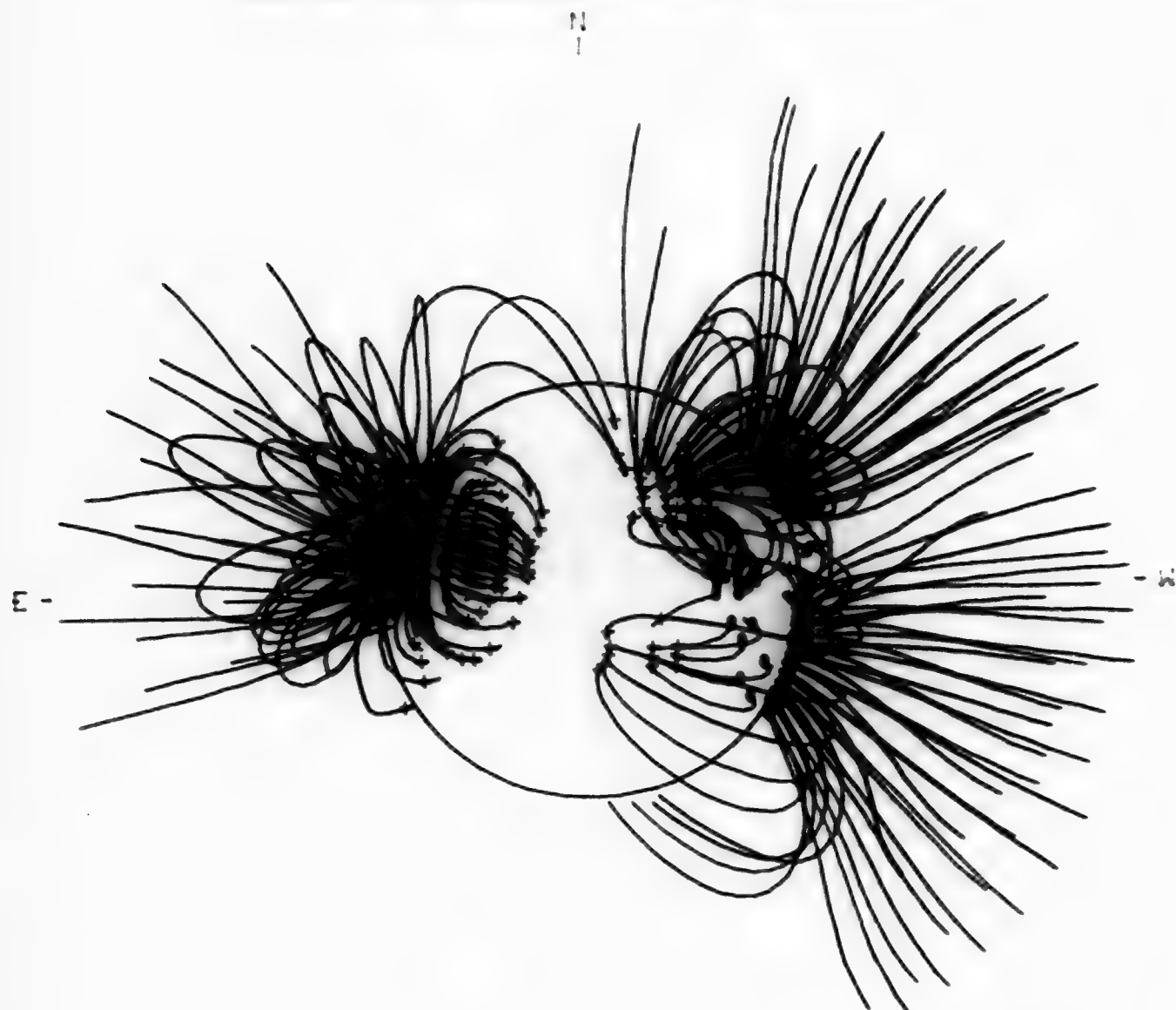
DATA WINDOW 1477.00

S

ROT. 1477 LONG. 281°

6.3 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

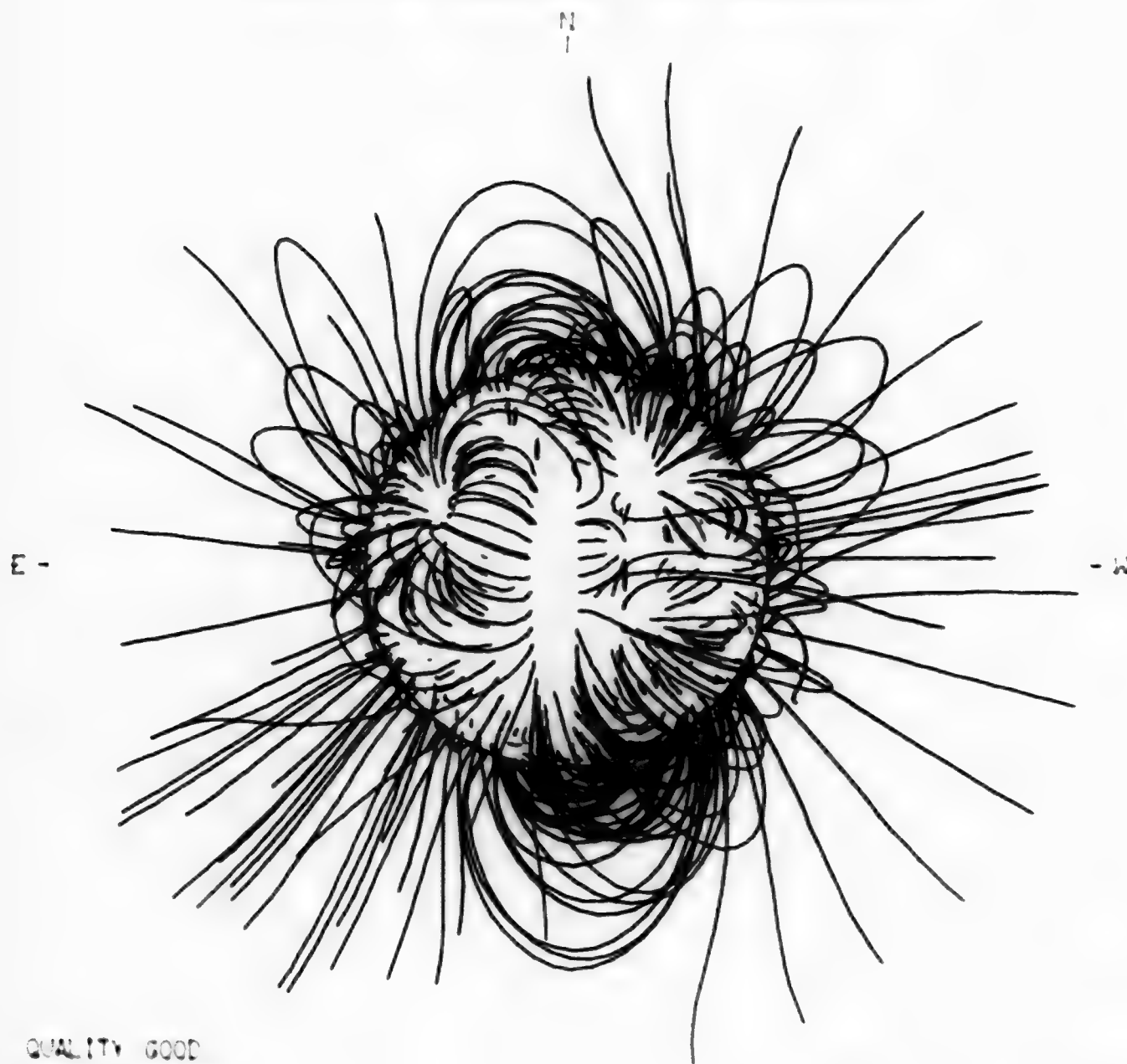


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

1
S

ROT. 1277 2016.281°
6.5 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

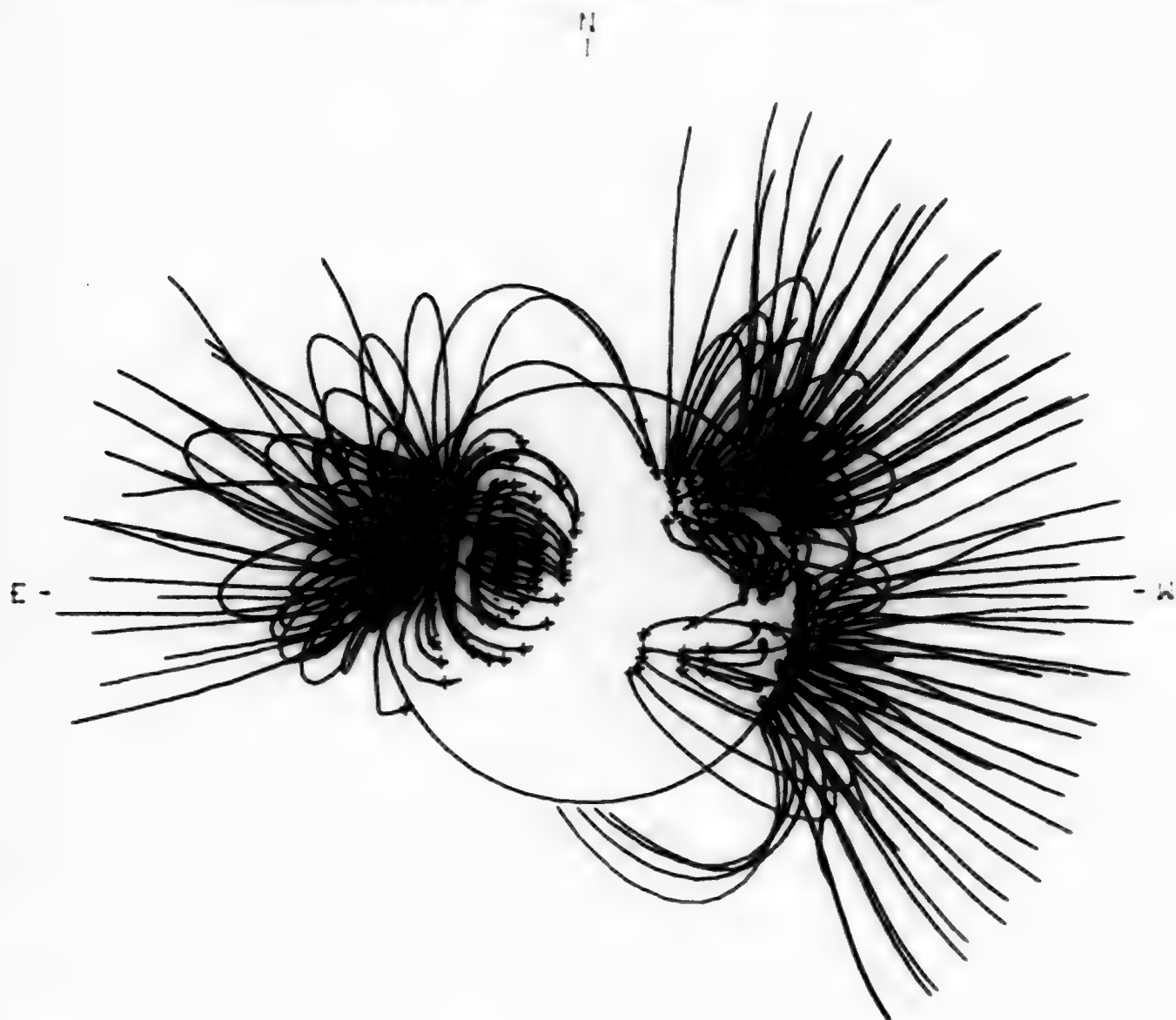
DATA WINDOW 1477.00

S

ROT. 1477 LONG. 27°

7. FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

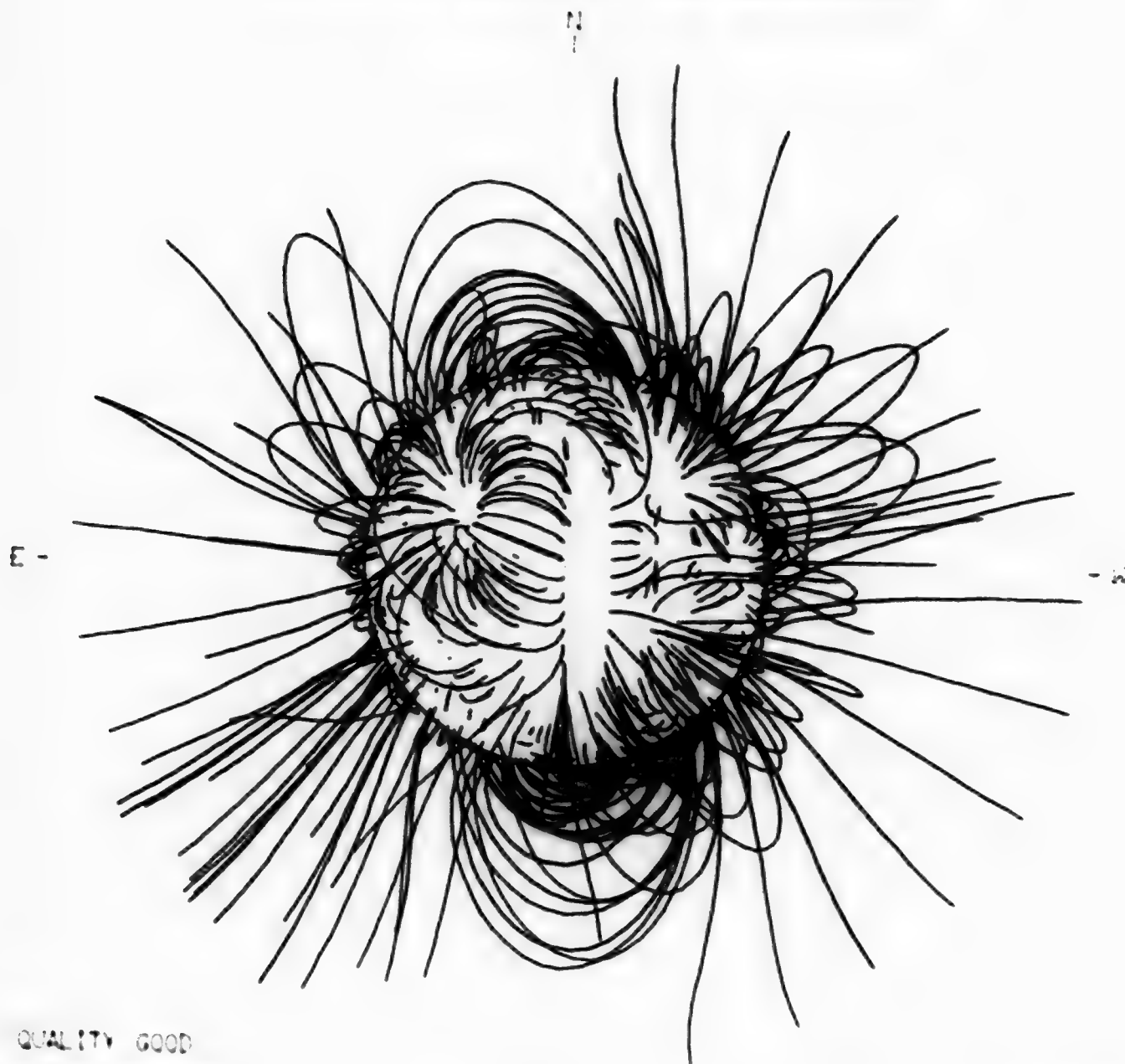
DATA WINDOW 1477.00

I
S

ROT. 1477 LONG. 271°

7.1 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

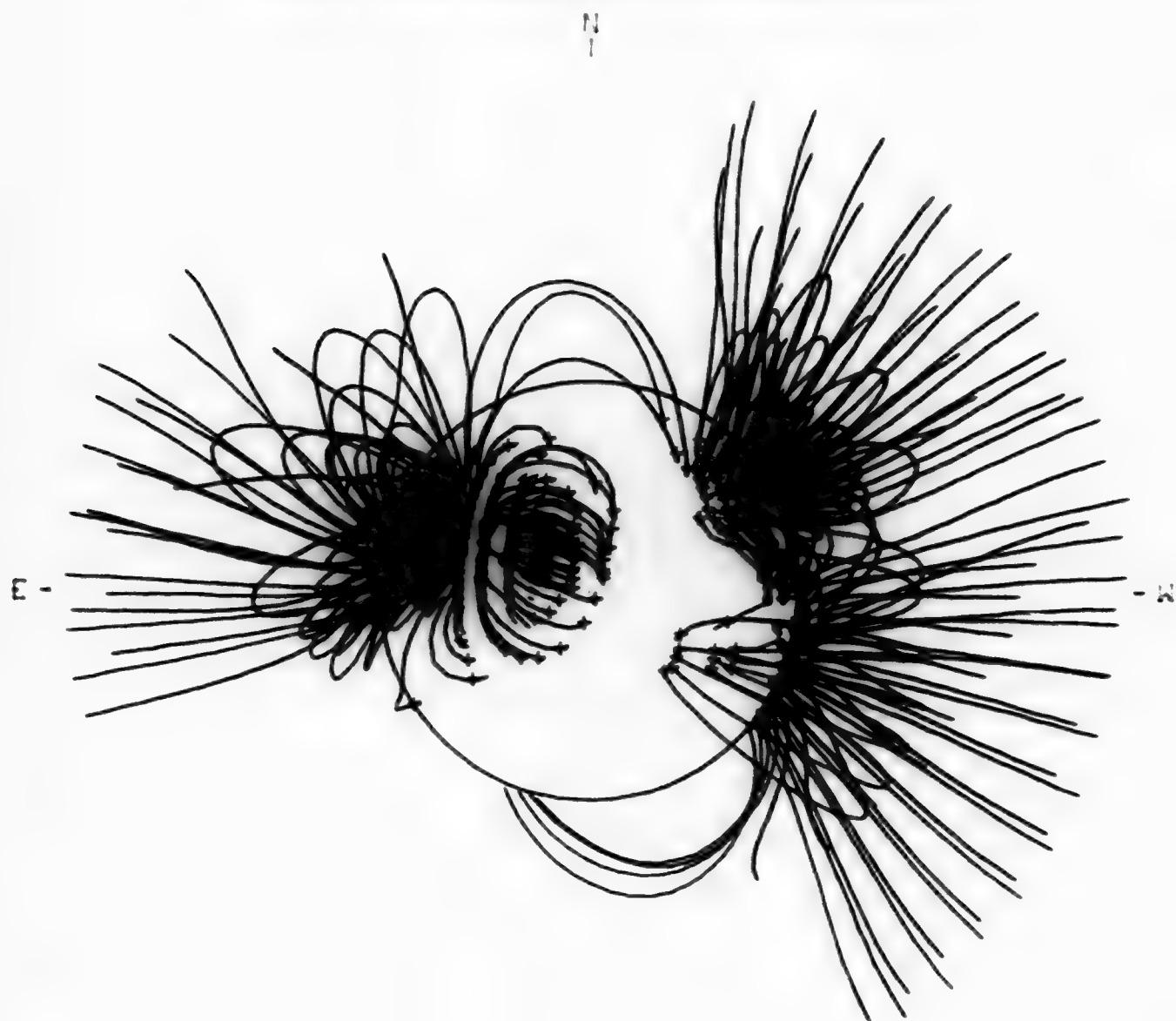
DATA WINDOW 1477.00

S

ROT. 1477 LONG. 281°

7.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

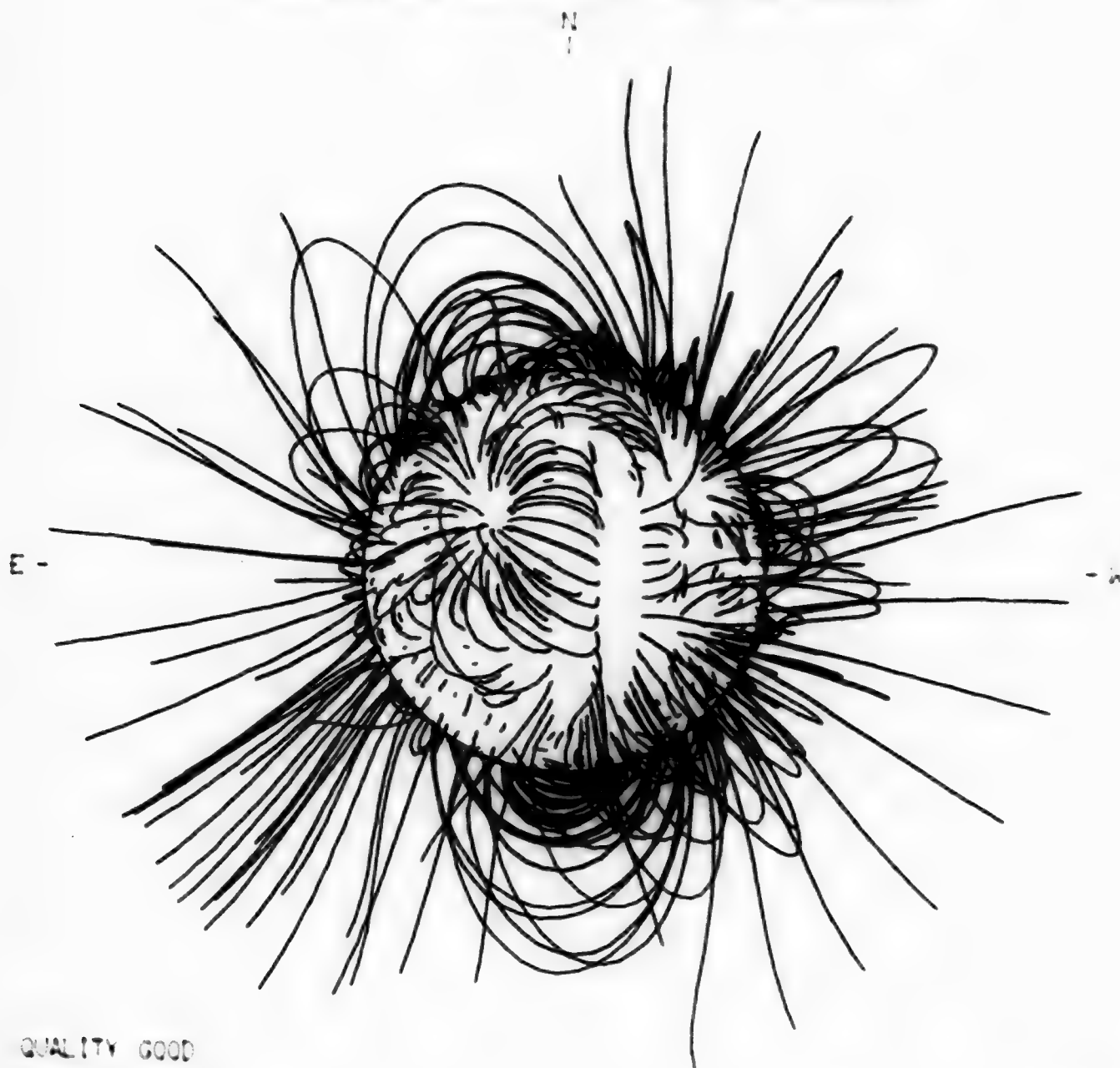


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

1
S

ROT. 1477 LONG. 250°
7.9 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

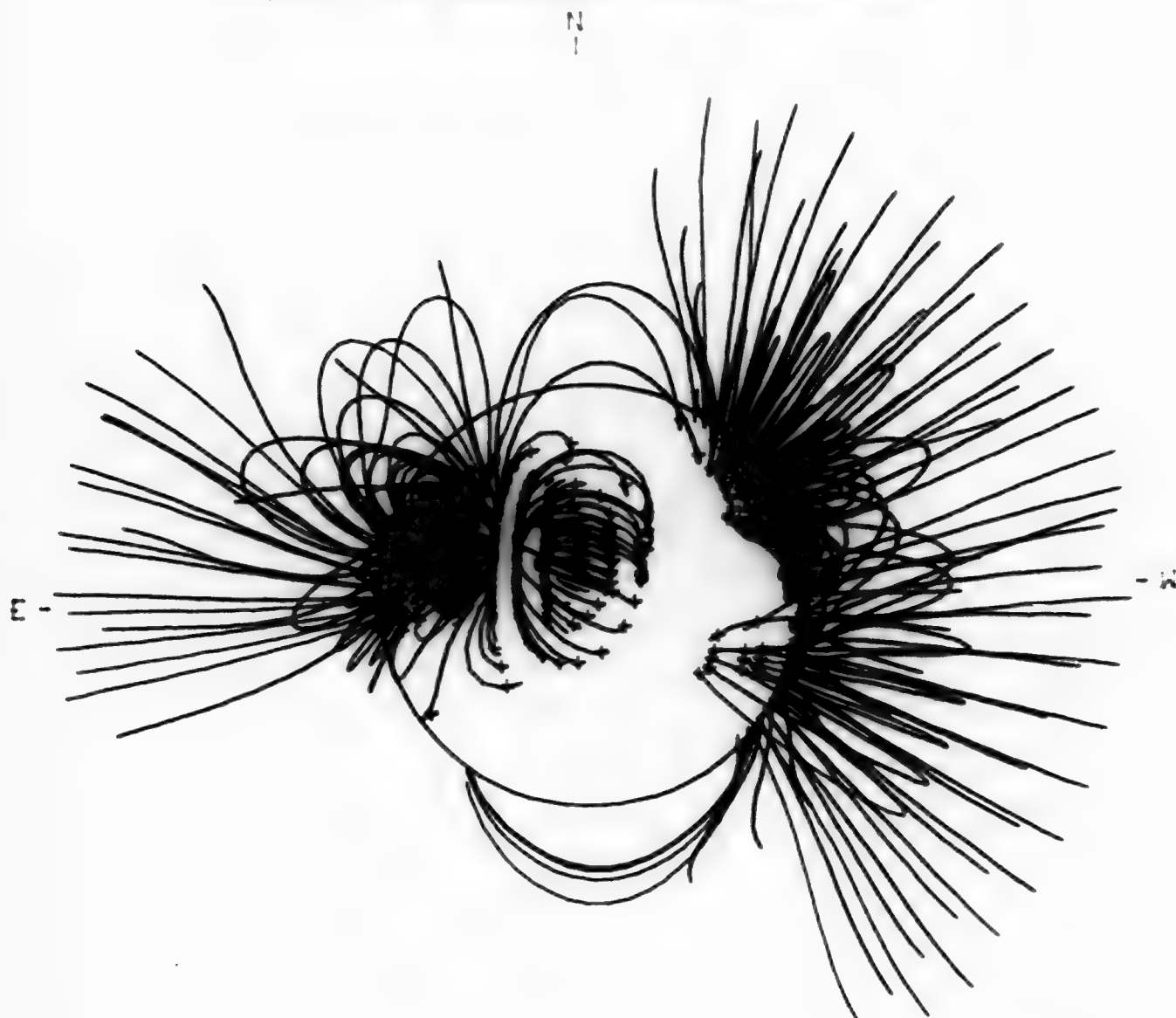
DATA WINDOW 1477.00

1
S

ROT. 1477 LONG. 250°

8.6 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

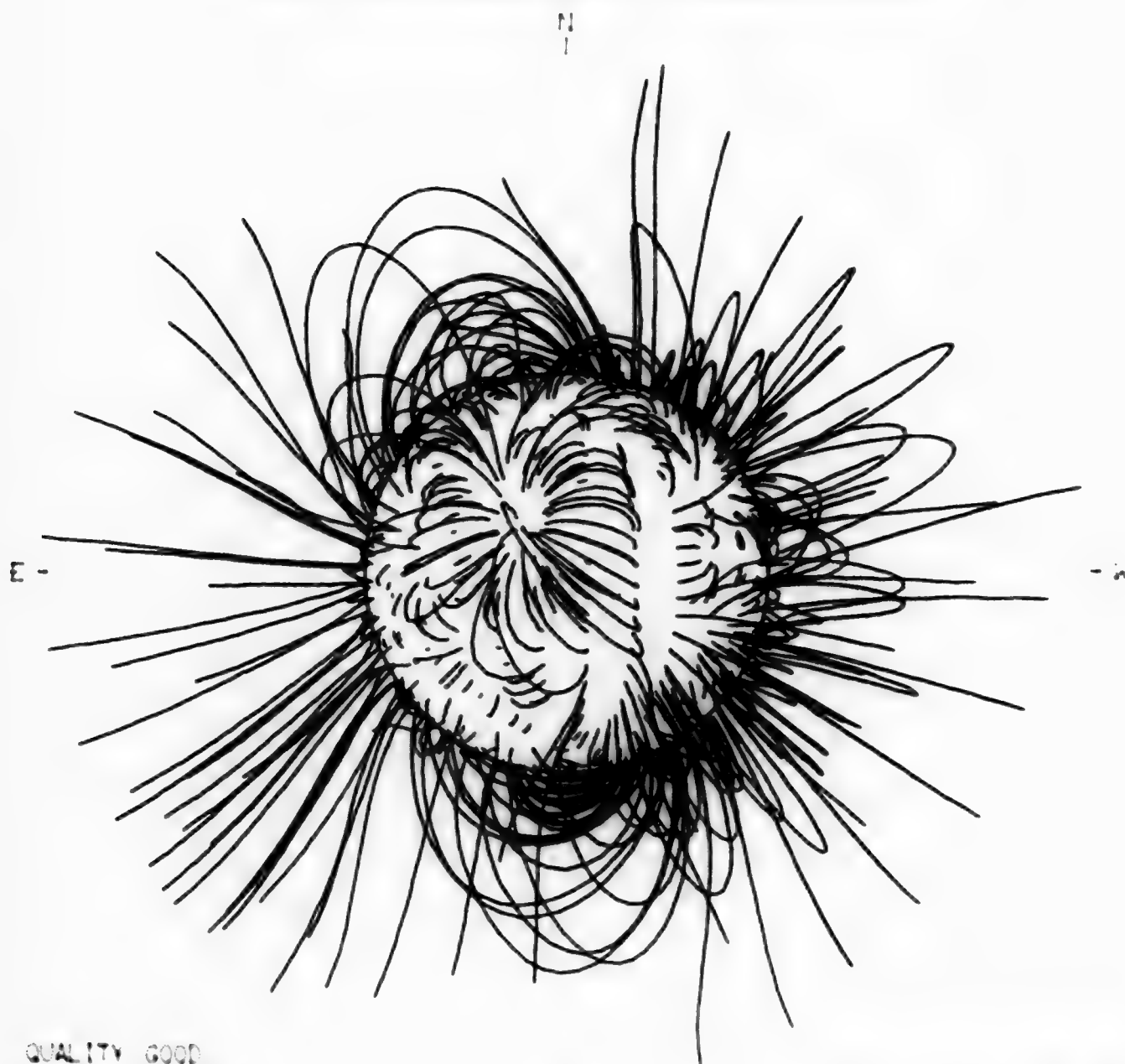


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

1
S

ROT. 1477 LONG. 25°
8.6 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

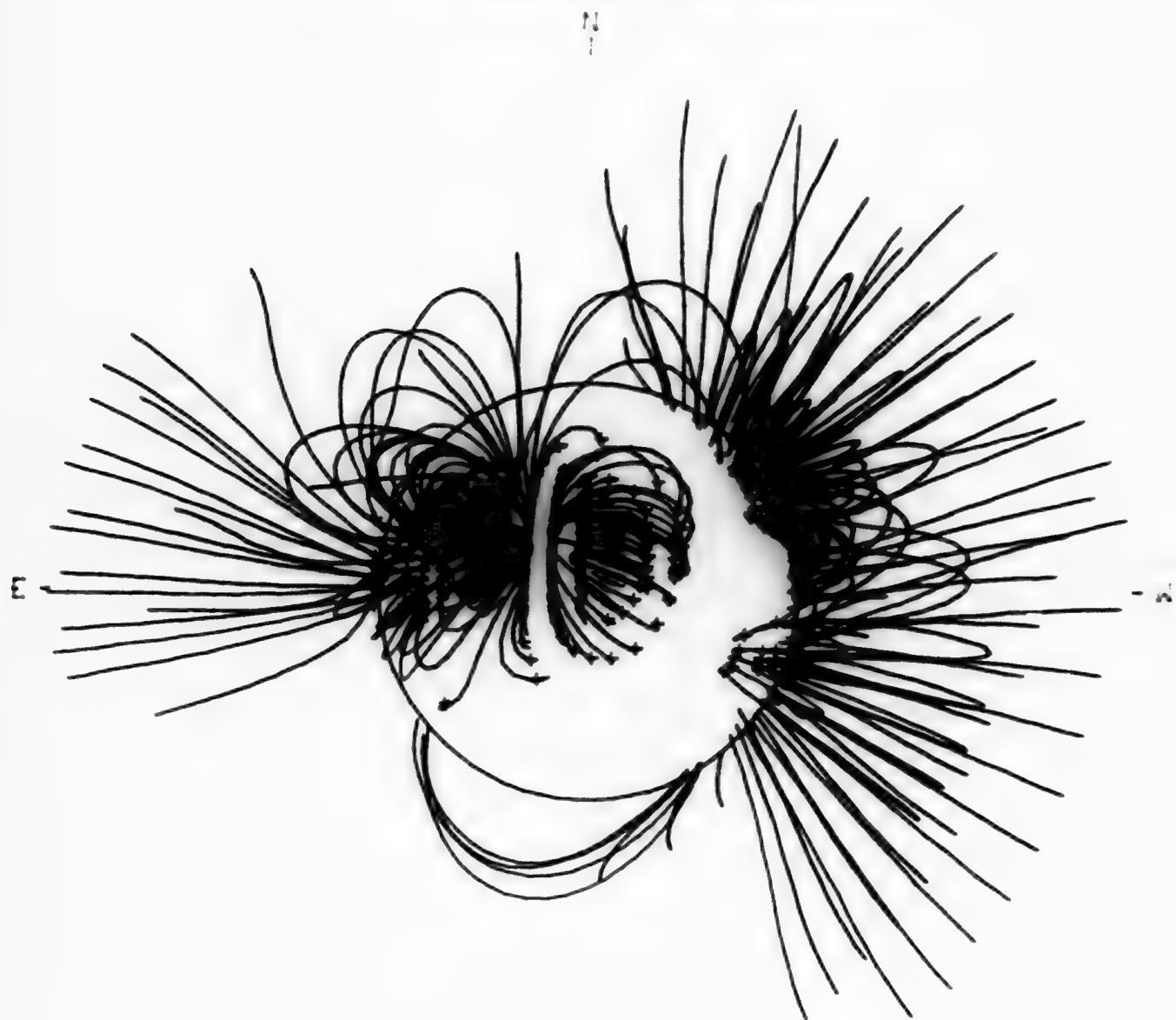
DATA WINDOW 1477.00

S

ROT. 1477 LONG. 241°

9.4 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

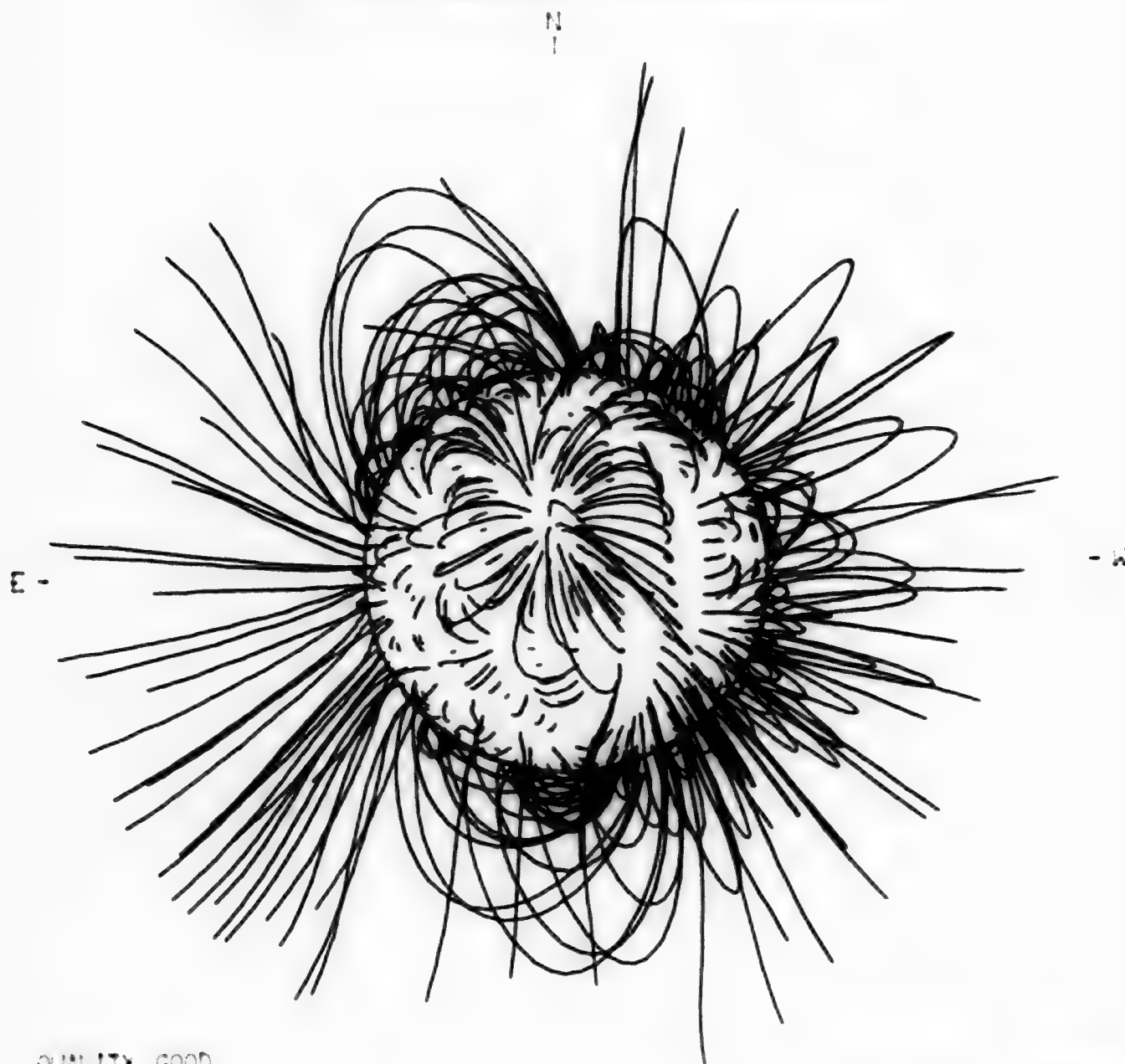
DATA WINDOW 1477.00

1
S

ROT. 1477 LONG. 241°

9.2 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

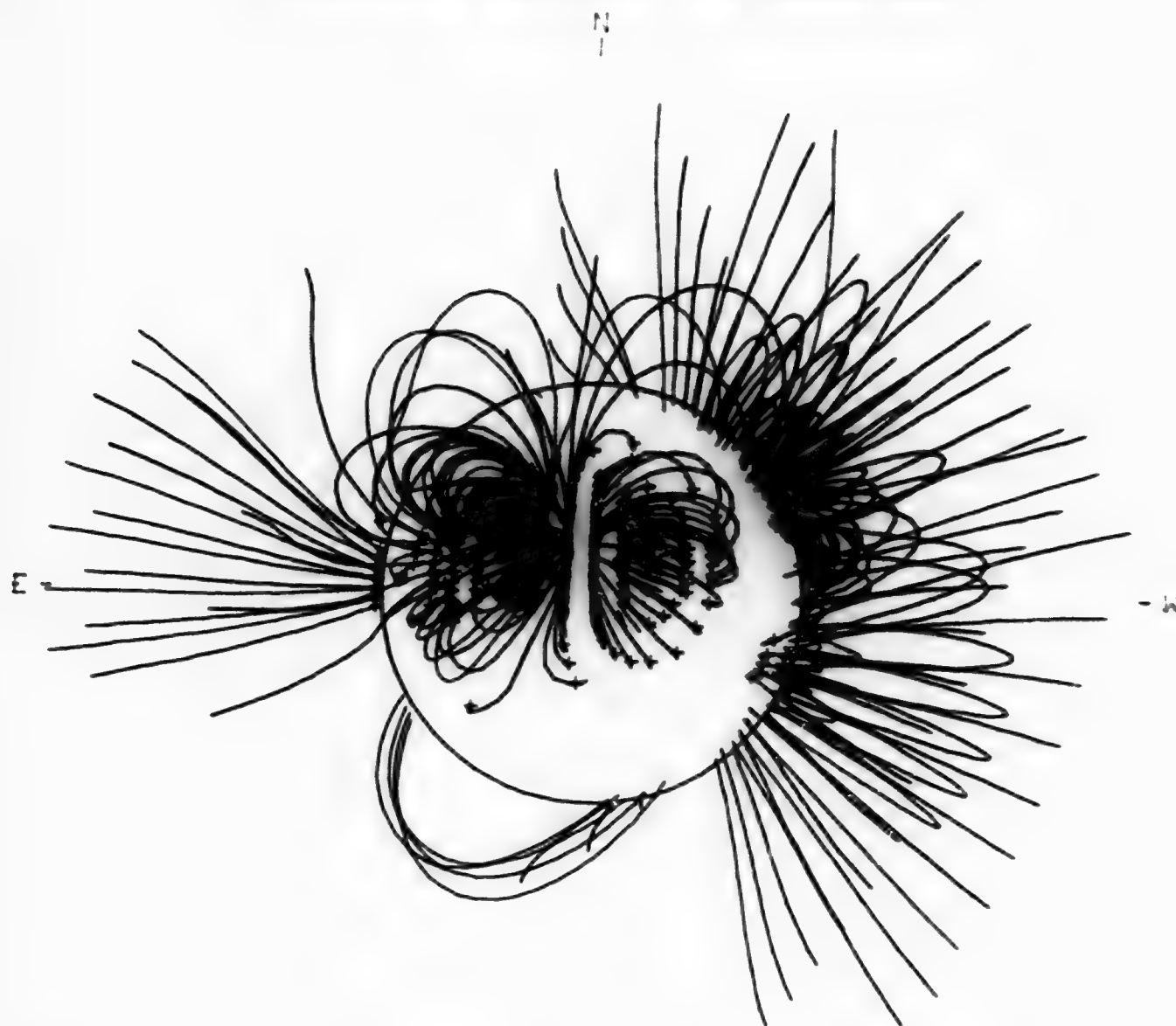
POLES AVERAGED

DATA WINDOW 1477.00

I
S

ROT. 1477 LONG. 250°
10.1 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

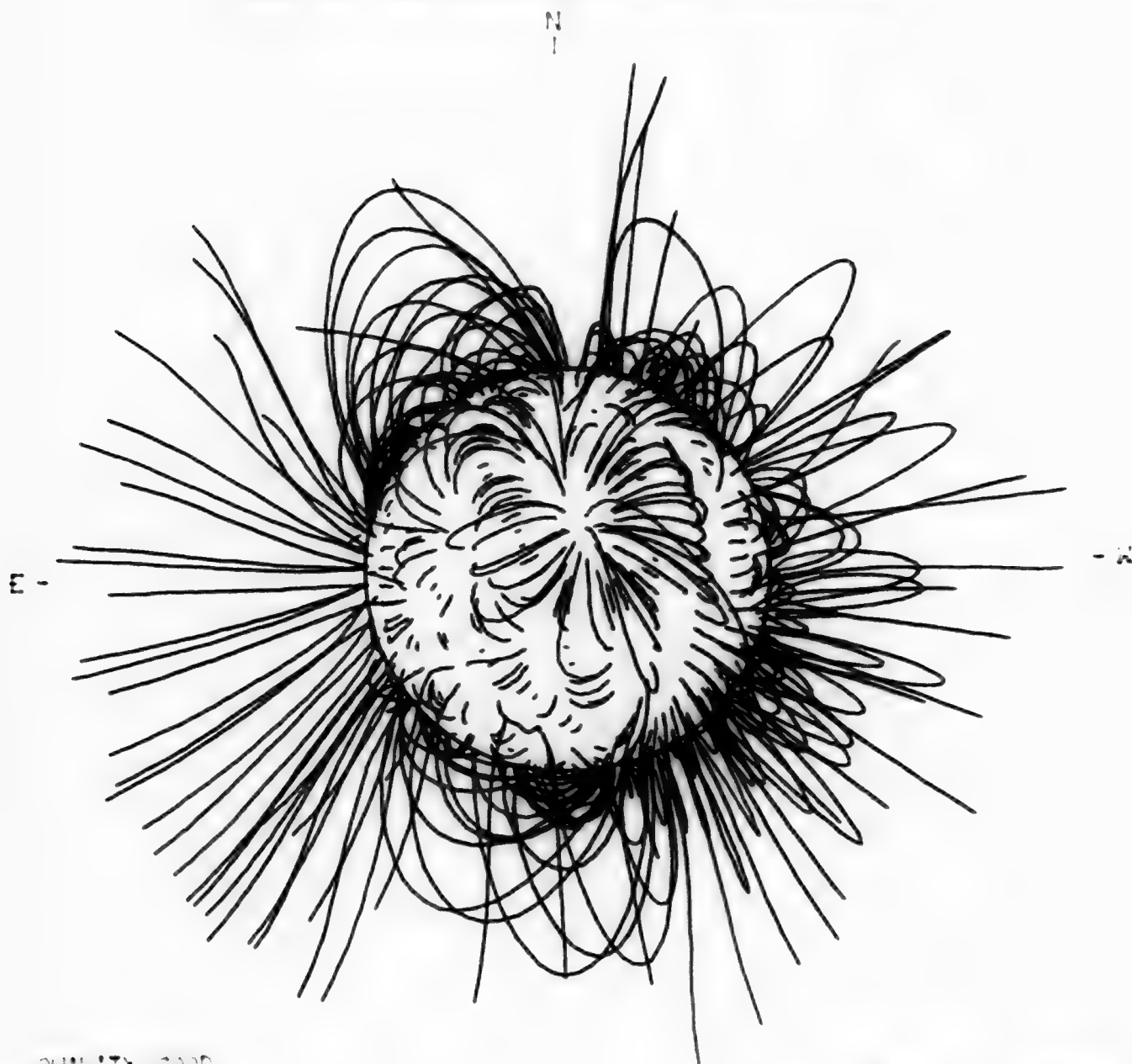


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

1
S

ROT. 1477 LONG. 250°
10.1 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

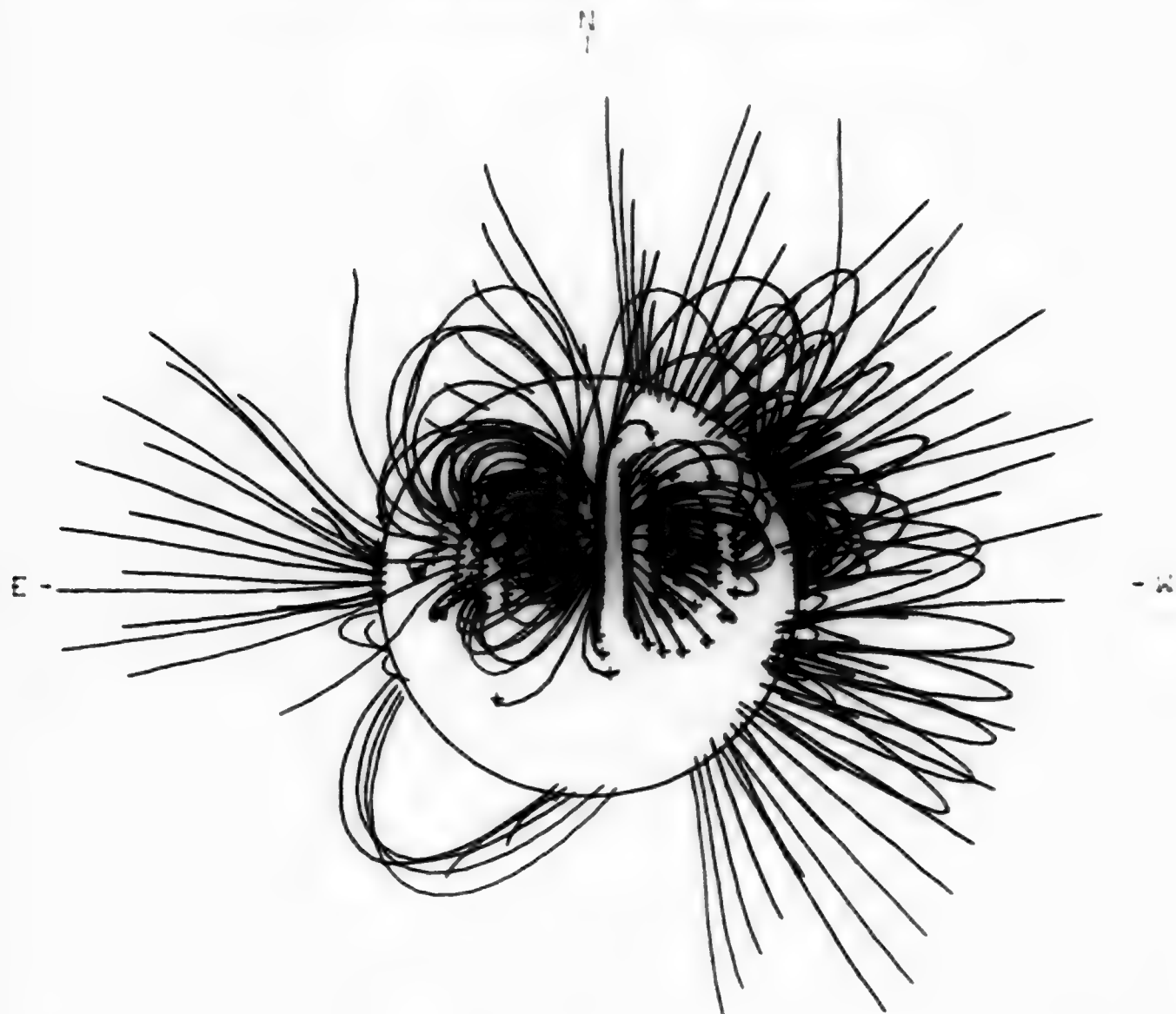
POLES AVERAGED

DATA WINDOW 1477.00

1
S

ROT. 1477 1016. 221°
10.9 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

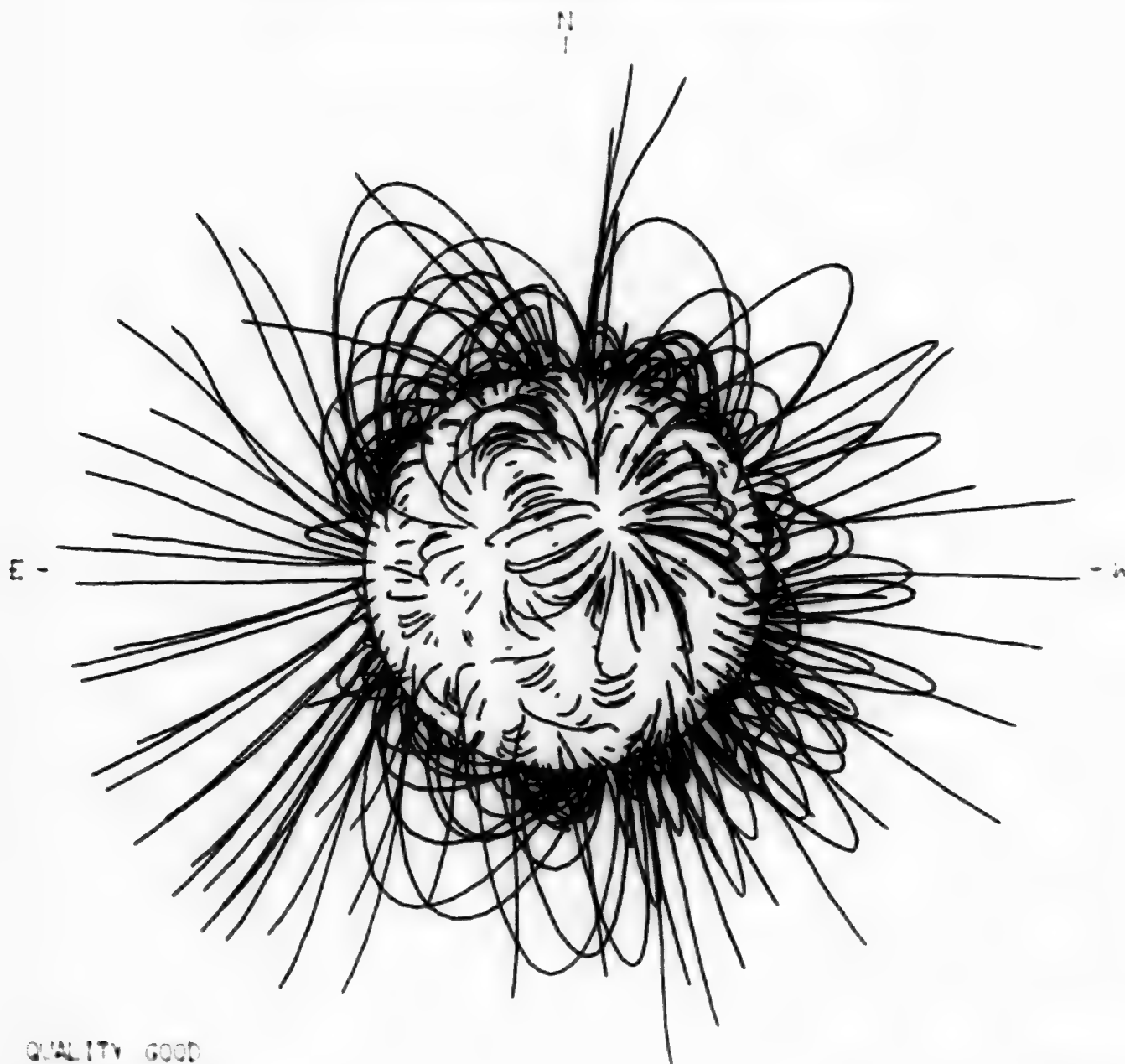
DATA WINDOW 1477.00

S

ROT. 1477 LONG. 220°

10.9 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

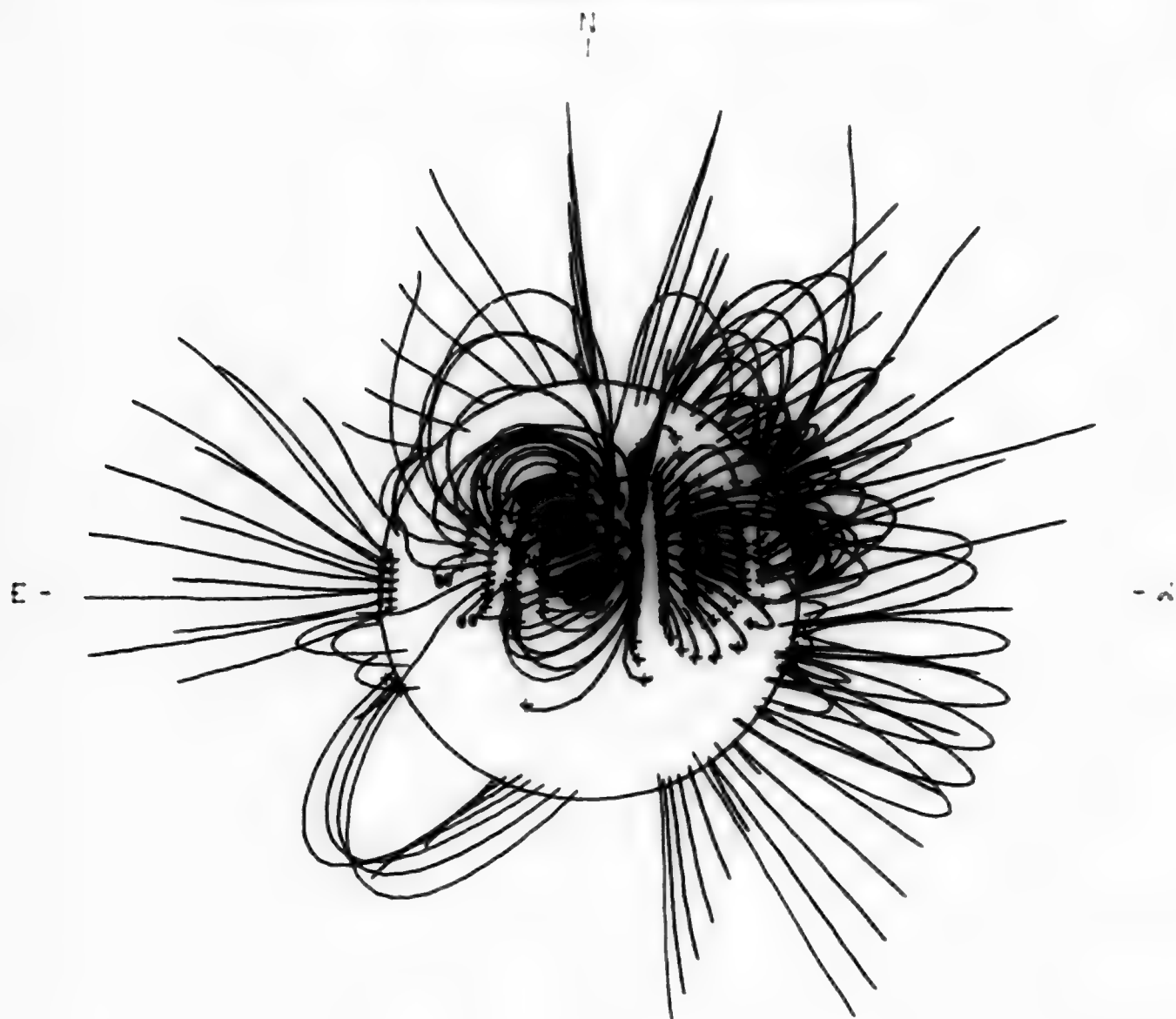
DATA WINDOW 1477.00

S

ROT. 1277 LONG. 21.0°

11.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1477.00

1
S

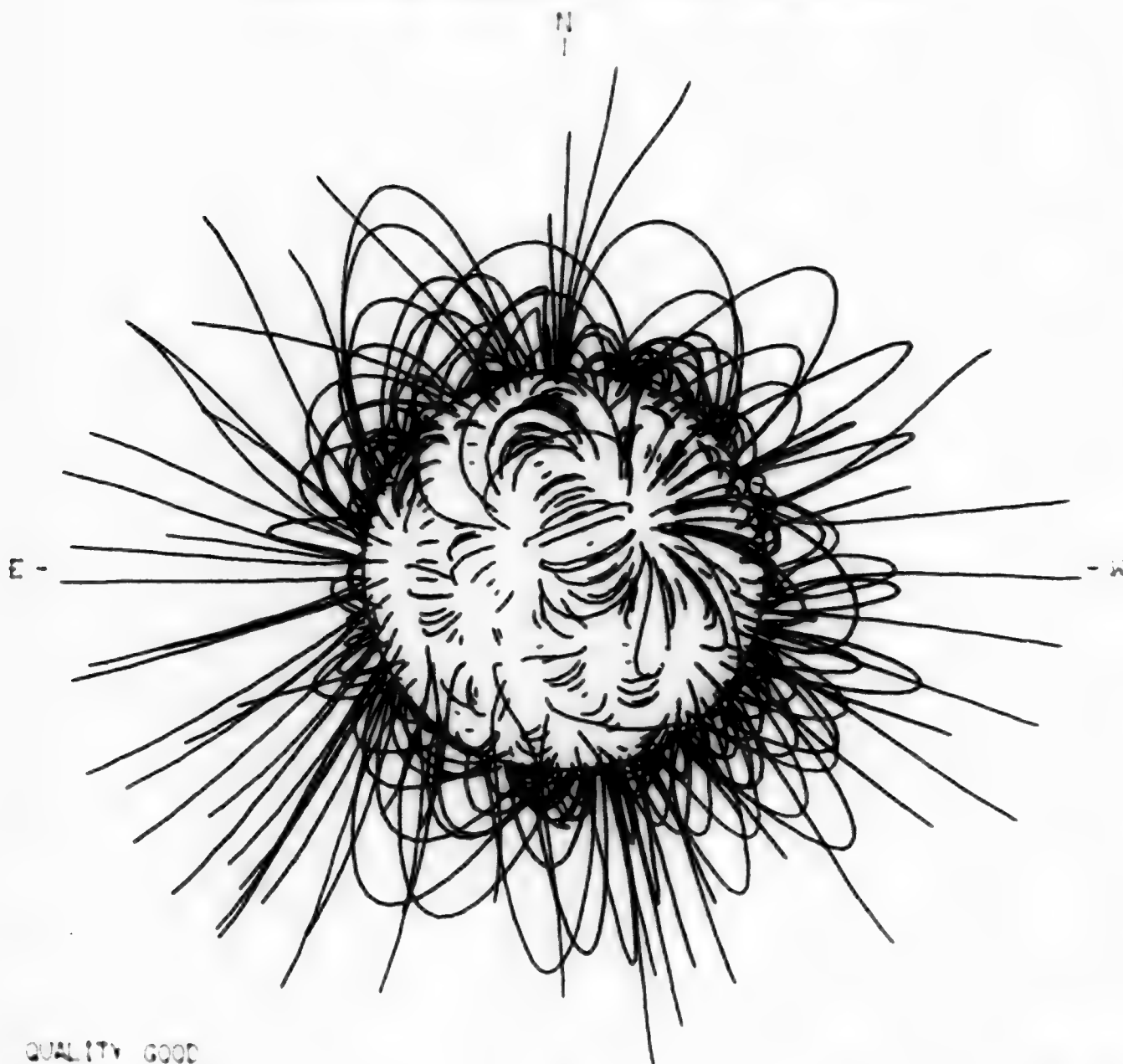
ROT. 1477

LONG. 210°

11.6 FEB

1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

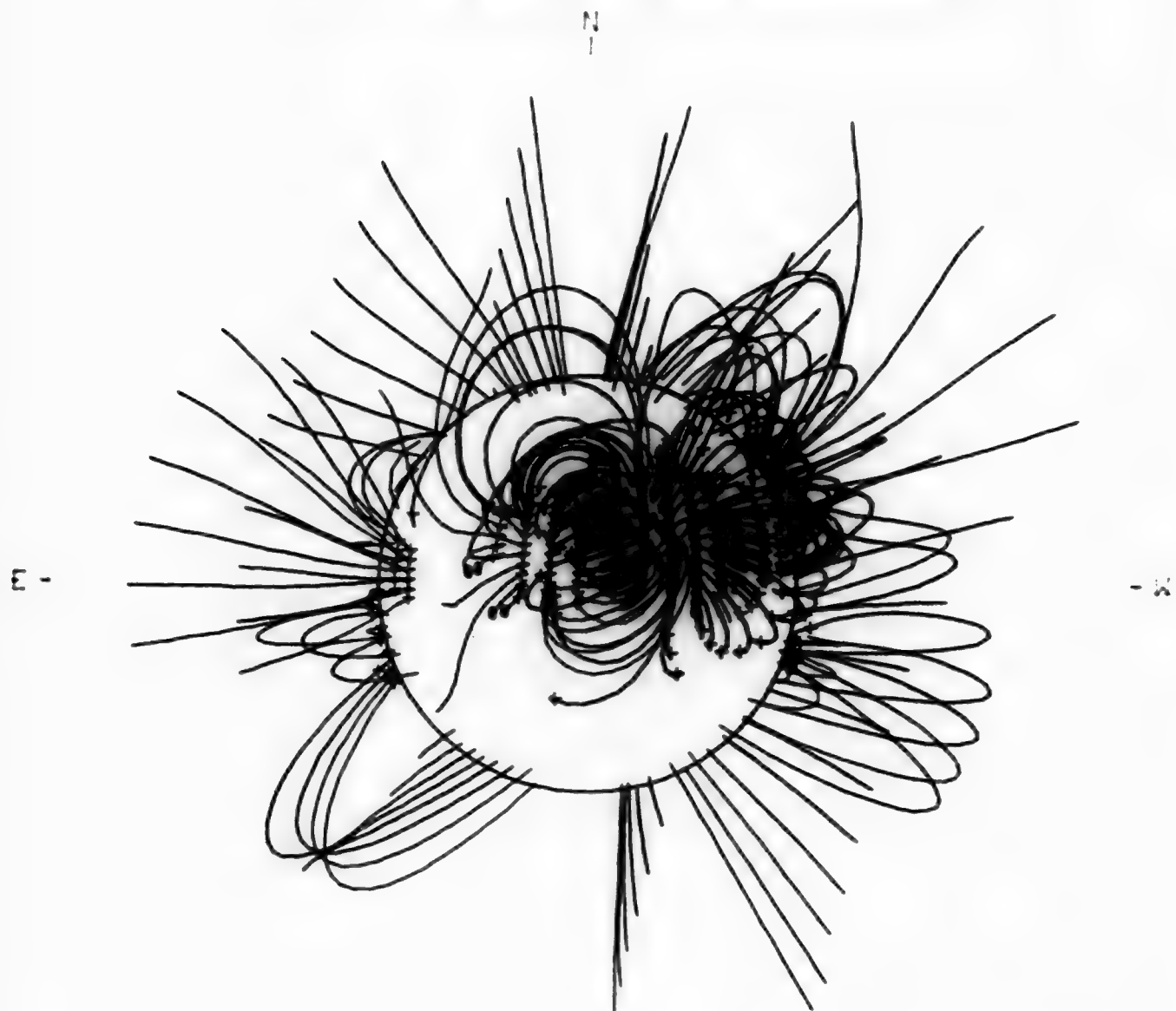
DATA WINDOW 1477.00

S

ROT. 1477 LONG. 200°

12.4 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

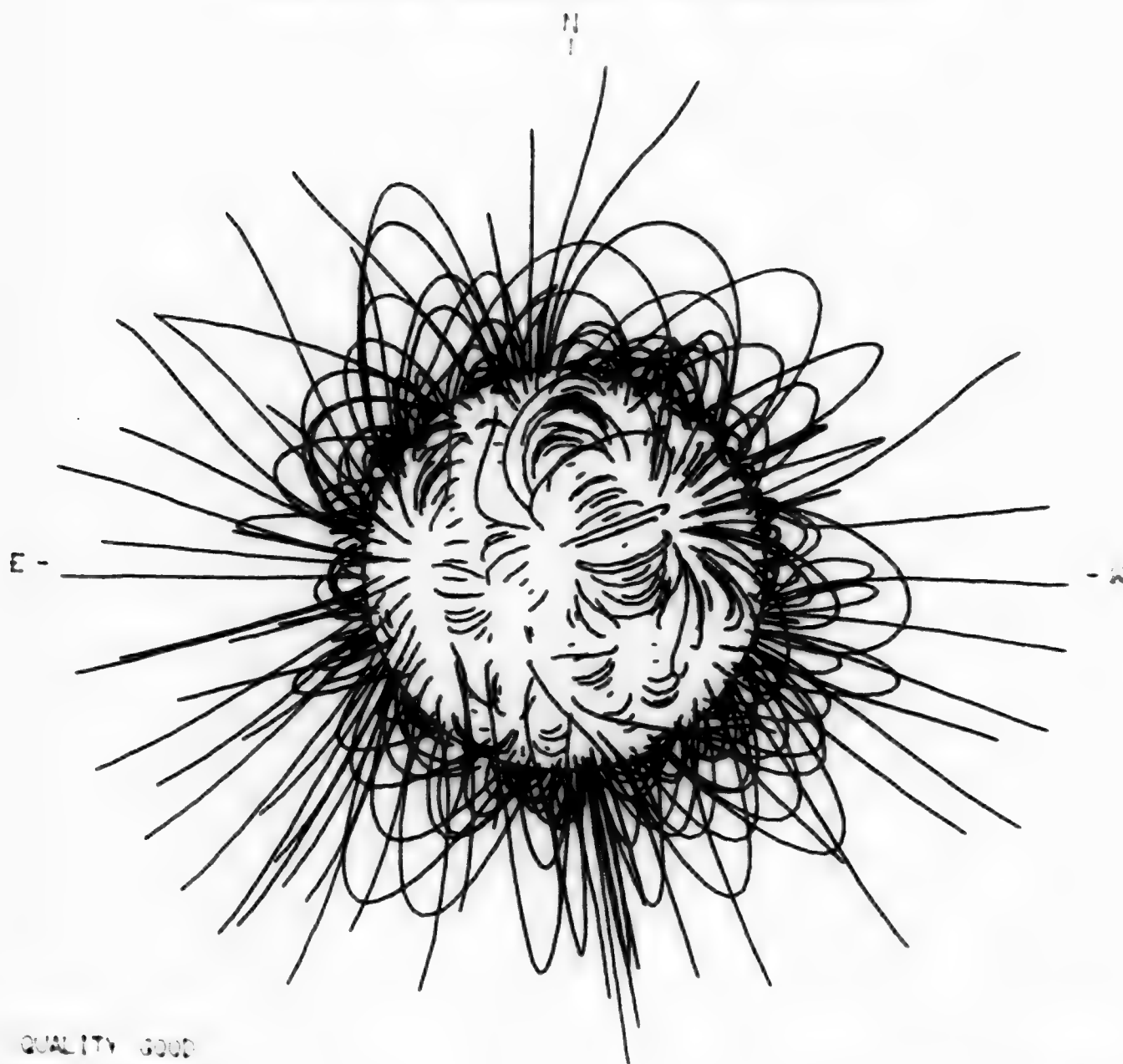
POLES AVERAGED

DATA WINDOW 1477.00

ROT. 1477 LONG. 200°

12.4 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1477.00

S

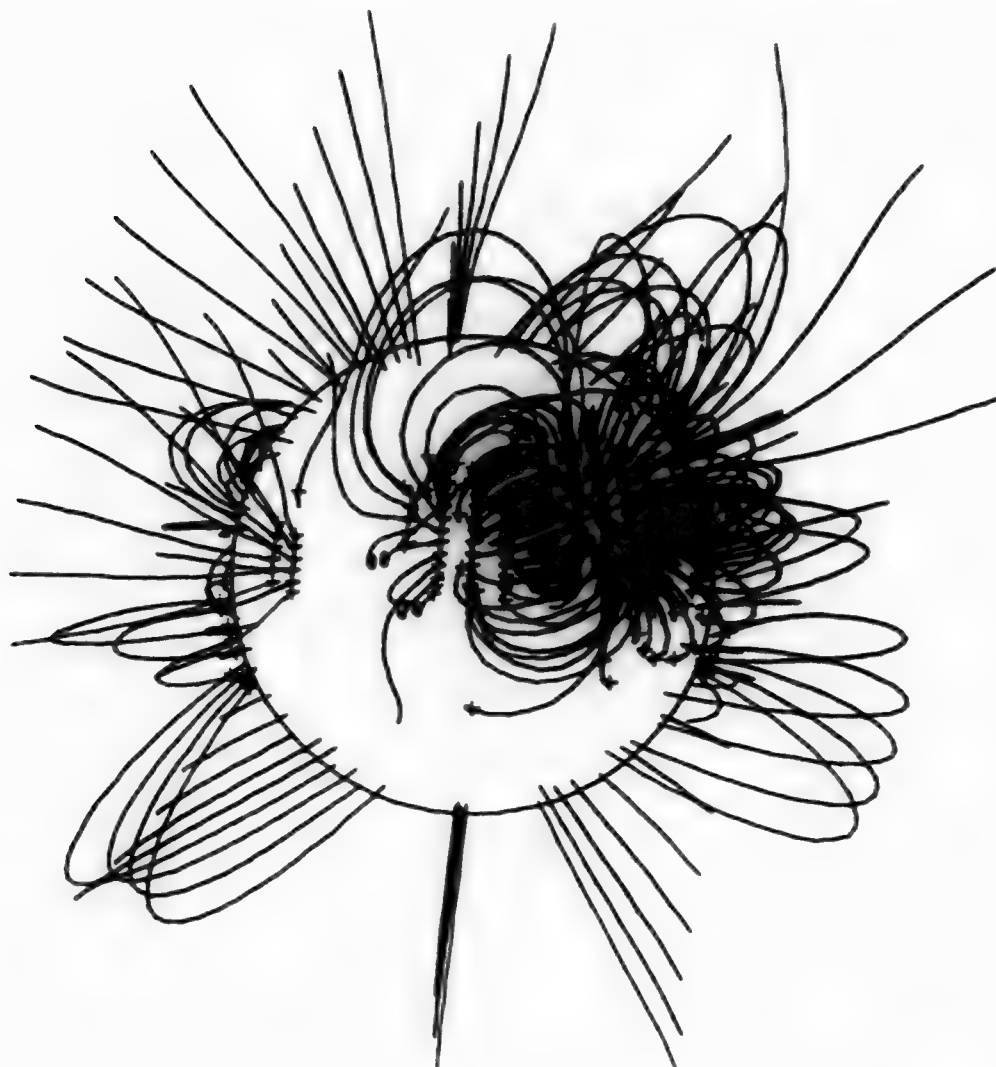
ROT. 1477 LONG. 141°

13.2 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
|

E -



QUALITY GOOD

POLES AVERAGED

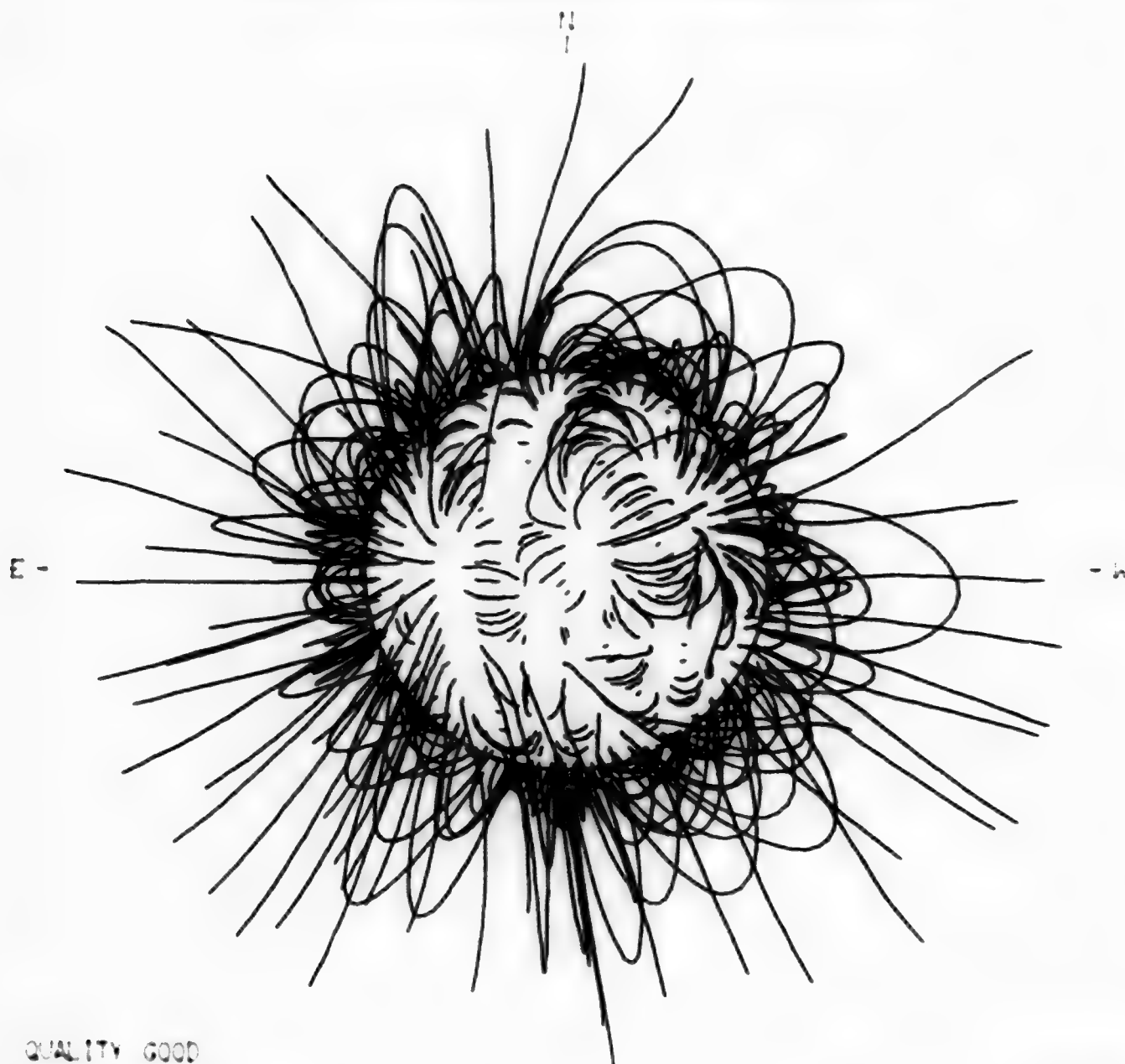
DATA WINDOW 1477.00

1
S

ROT. 1477 LONG. 140°

13.2 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

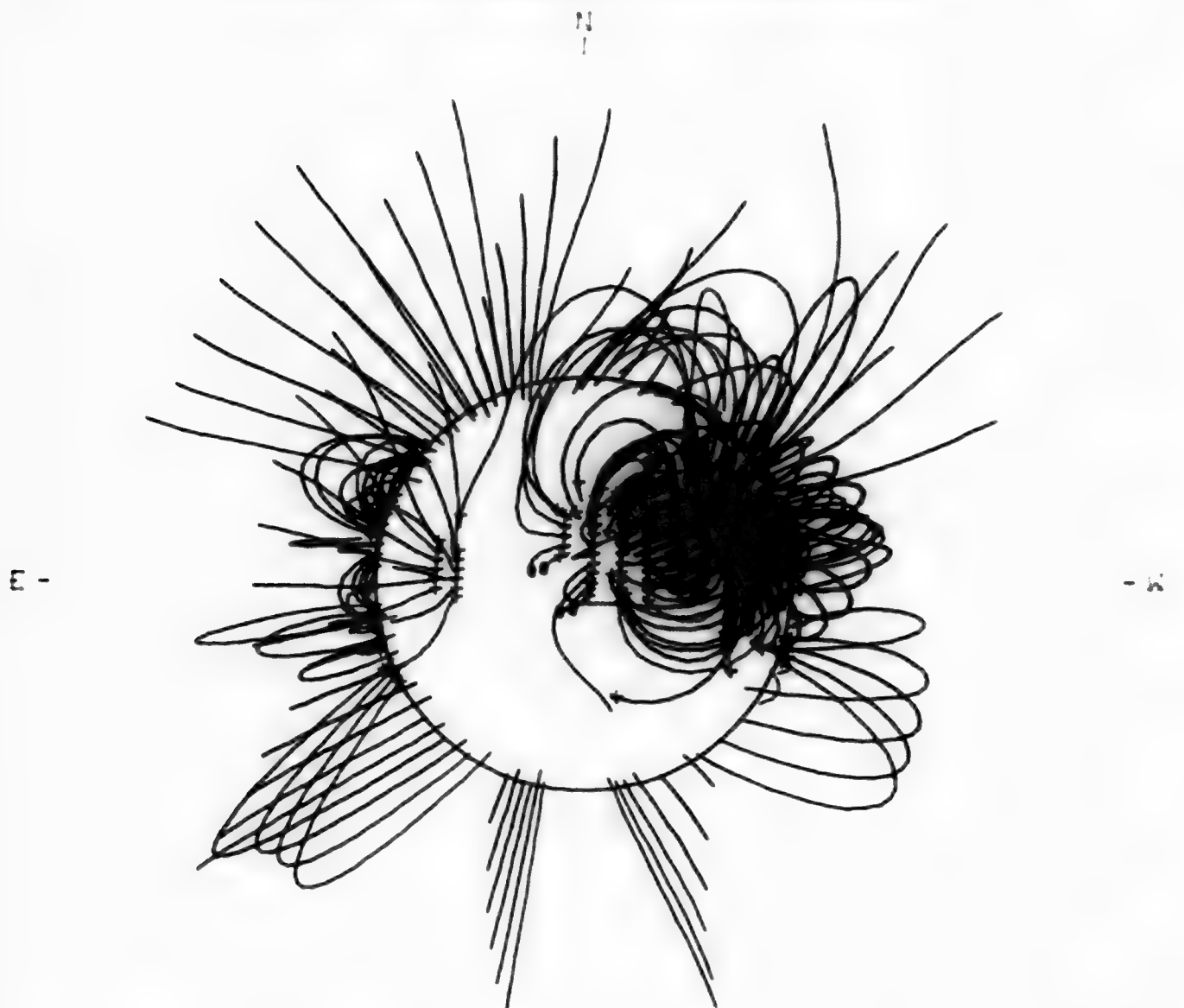
DATA WINDOW 1477.00

S

ROT. 1477 LONG. 181°

13.9 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

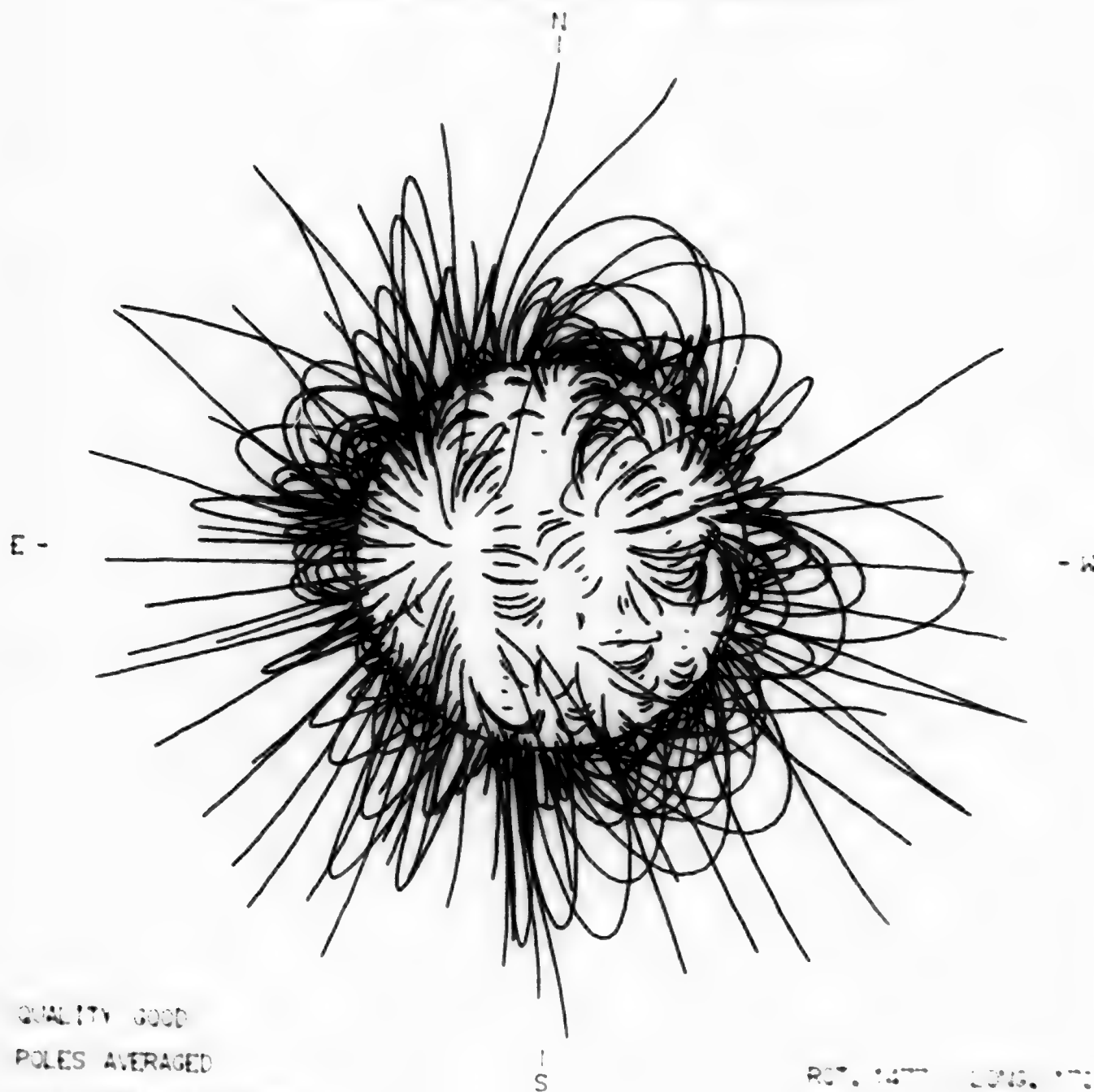


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

S

ROT. 1477 JUNE 1961
13.9 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

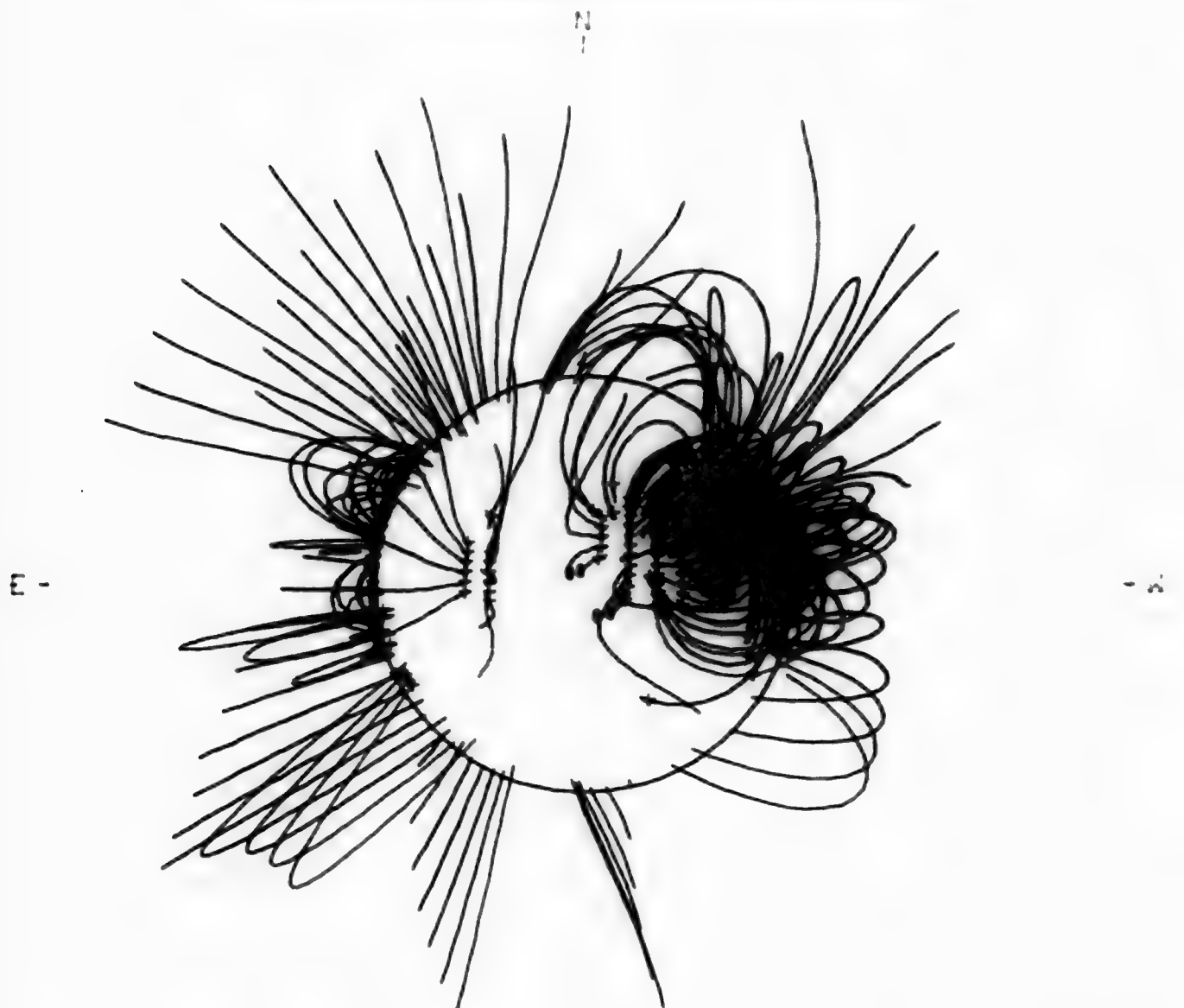
POLES AVERAGED

DATA WINDOW 1477.00

ROT. 1477 LONG. 177°

14.7 FEB 1984

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

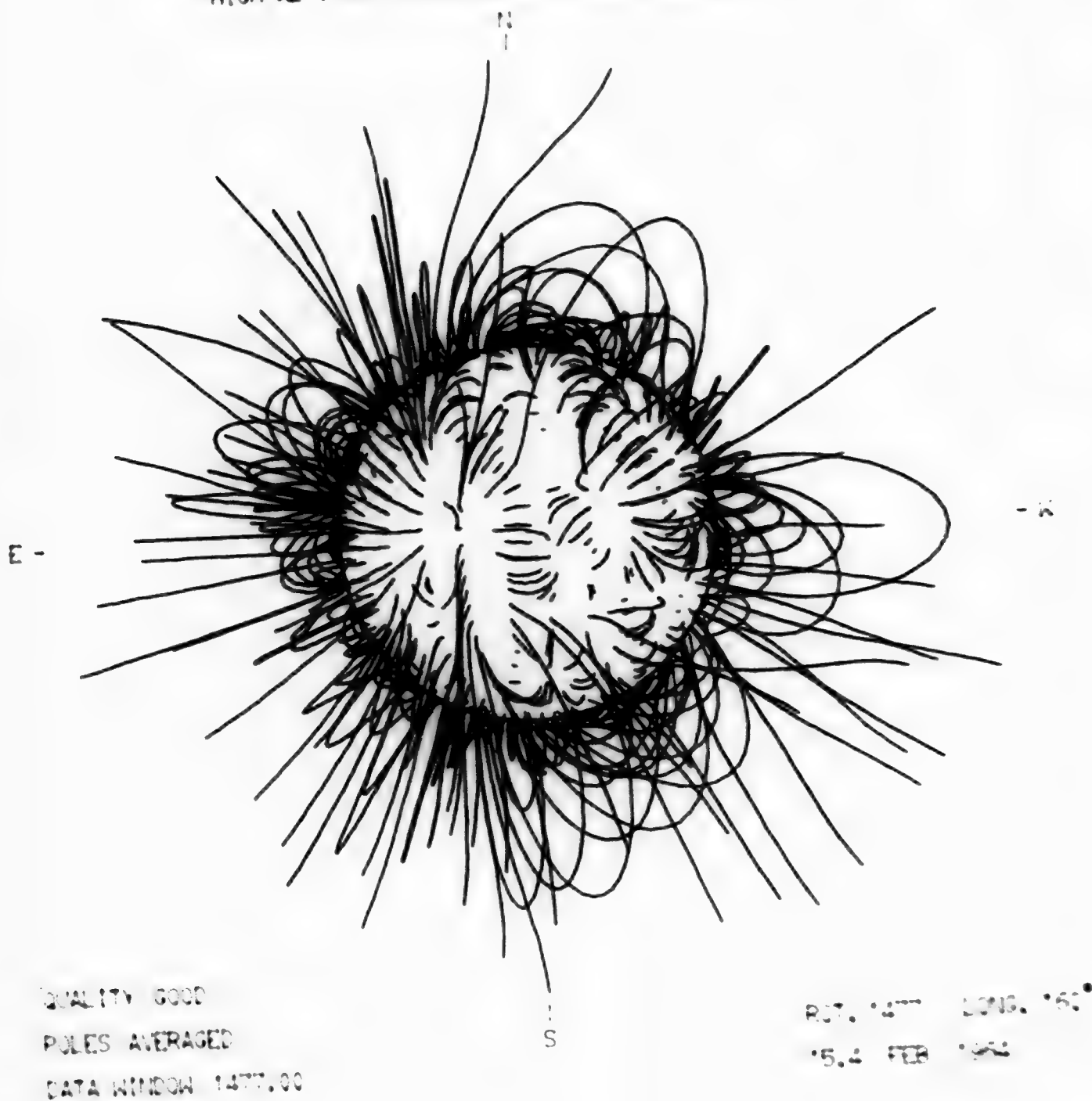
POLES AVERAGED

DATA WINDOW 1477.00

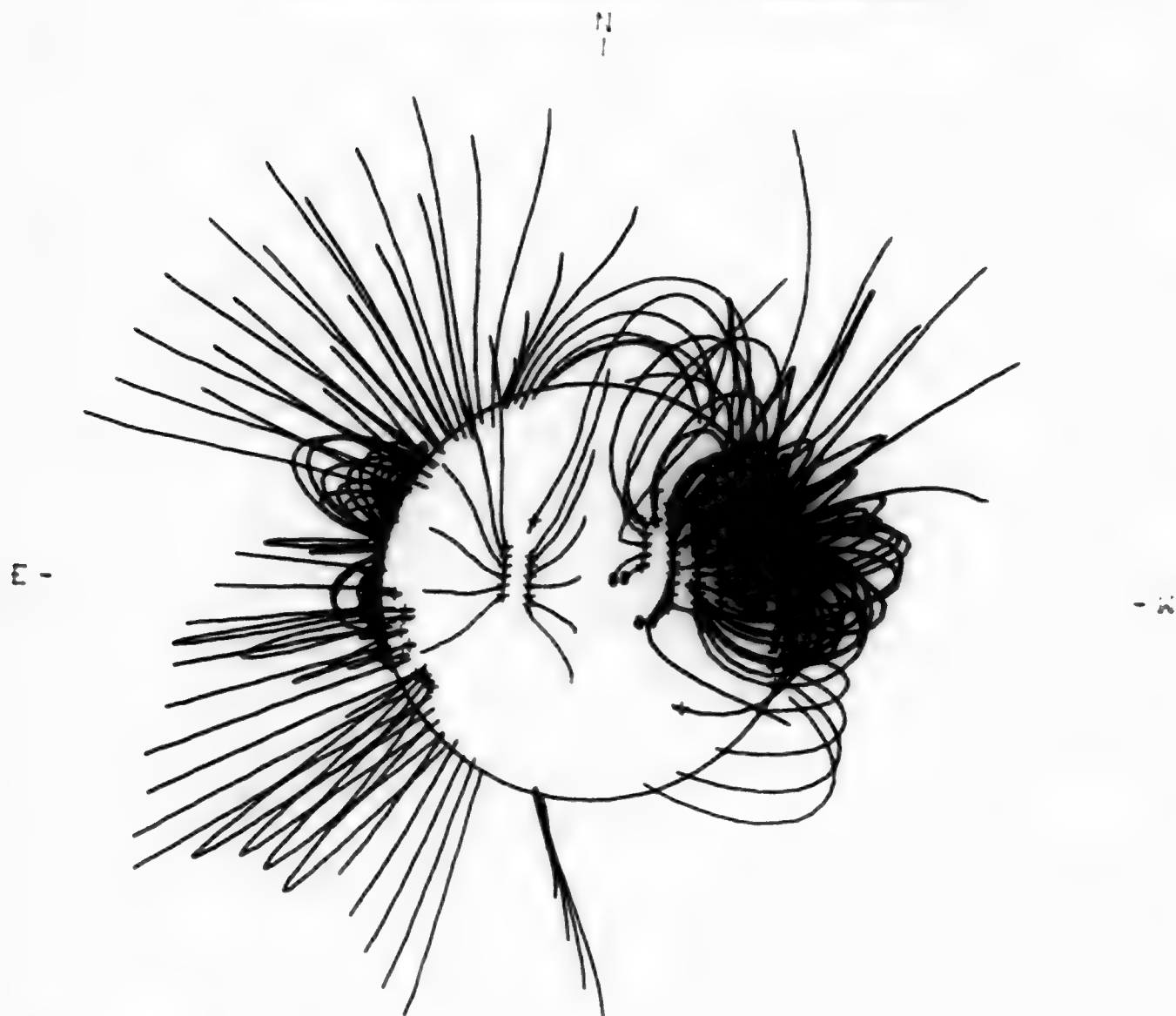
S

ROT. 1477 LONG. 177°
14.7 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

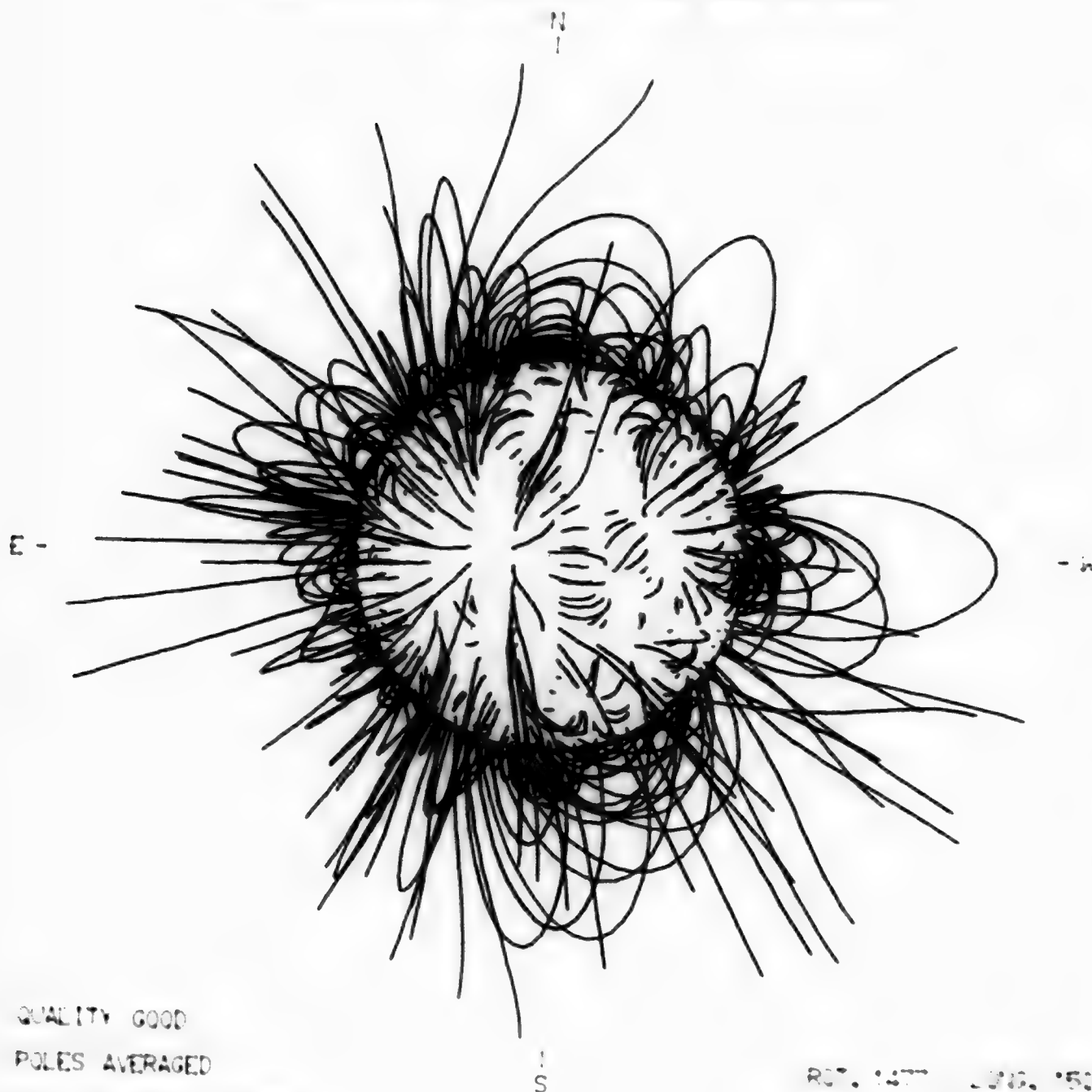


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

S

ROT. 1477 LONG. 150°
15.4 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

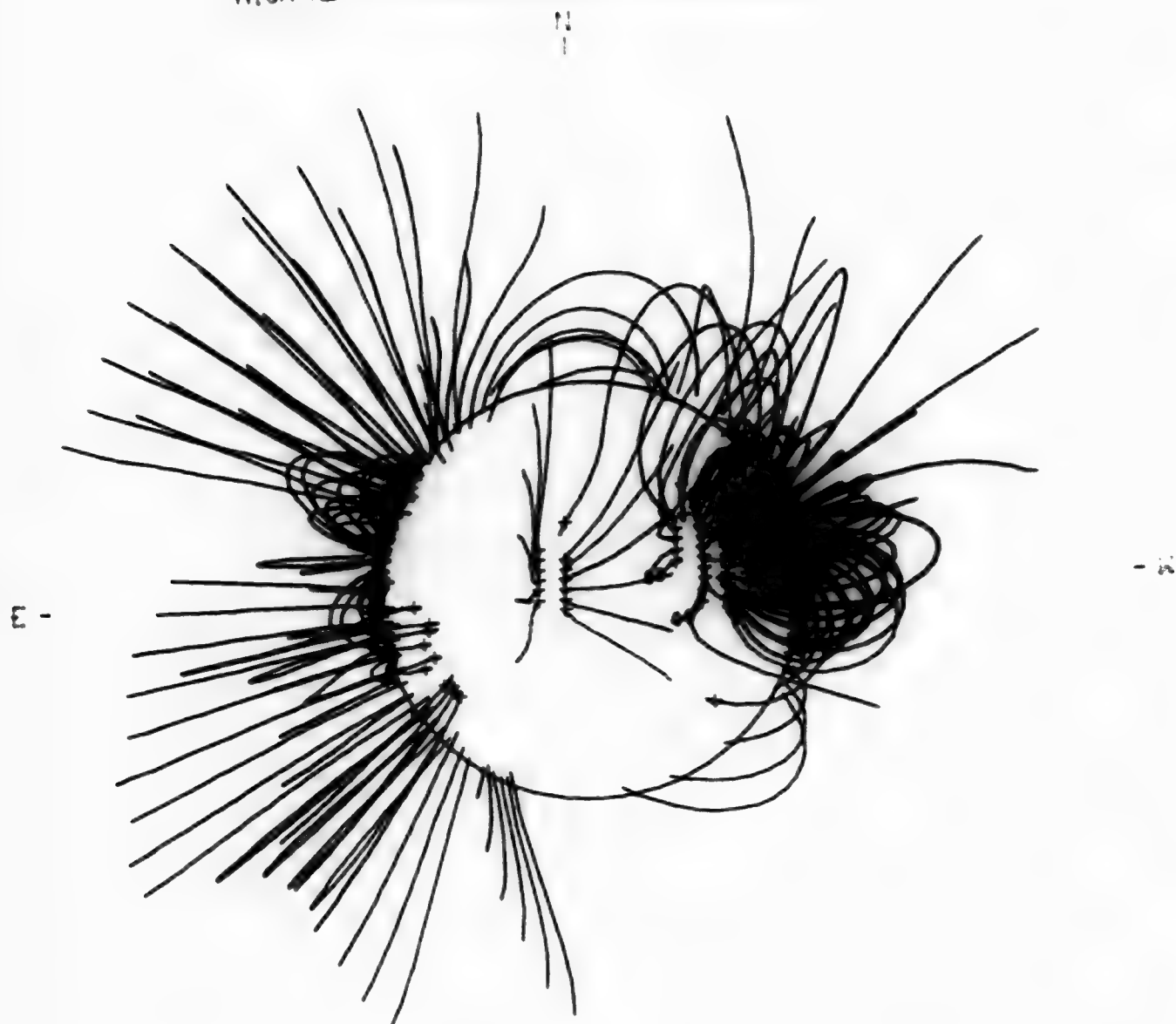
POLES AVERAGED

DATA WINDOW 1477.00

ROT. 1477 1976. 150°

16.2 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

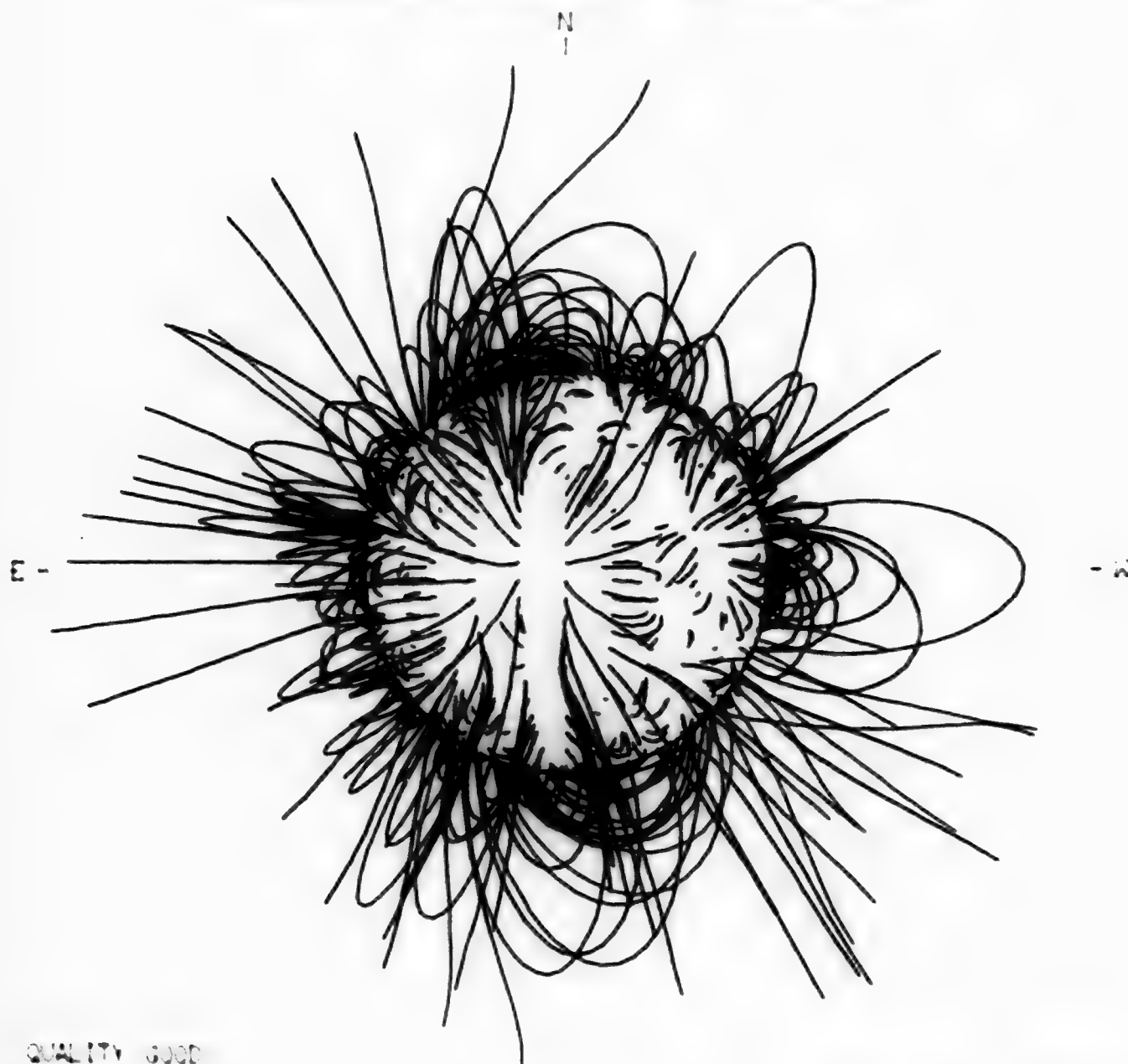


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

1
S

ROT. 1477 LONG. 151°
16.2 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

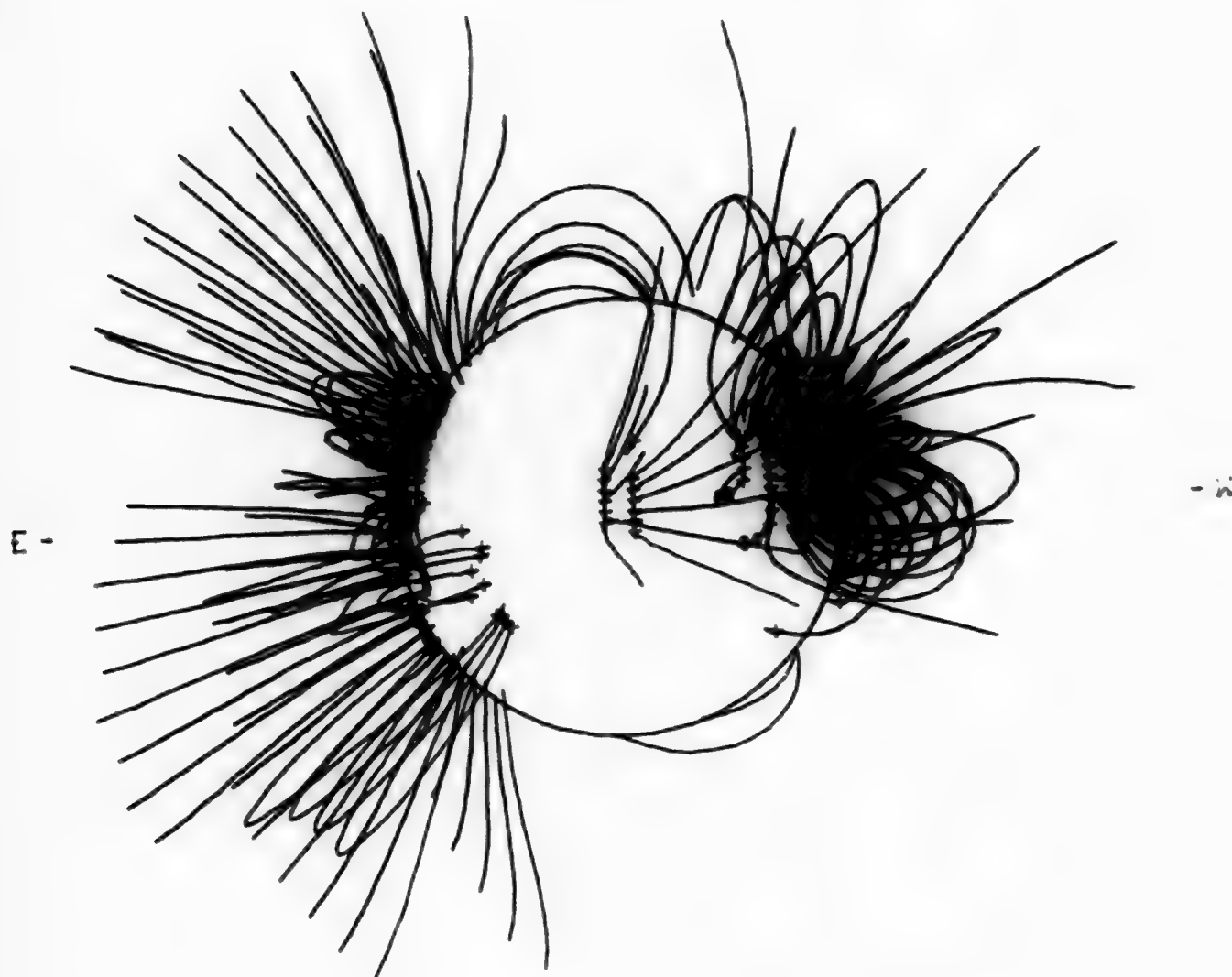
DATA WINDOW 1477.00

S

ROT. 1577 LONG. 141°

16.5 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

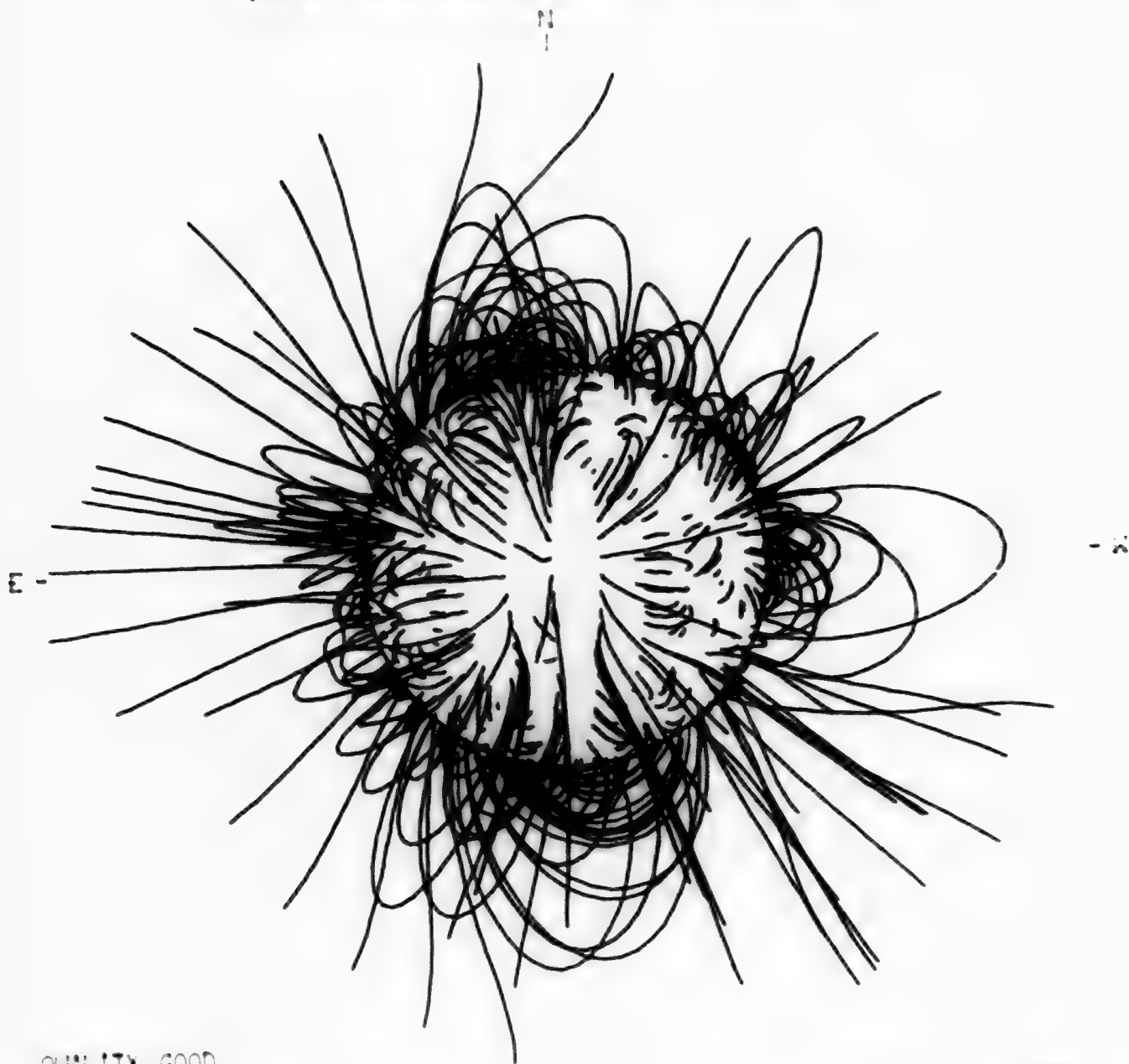


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.00

! S

ROT. 1477 LONG. 140°
16. FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

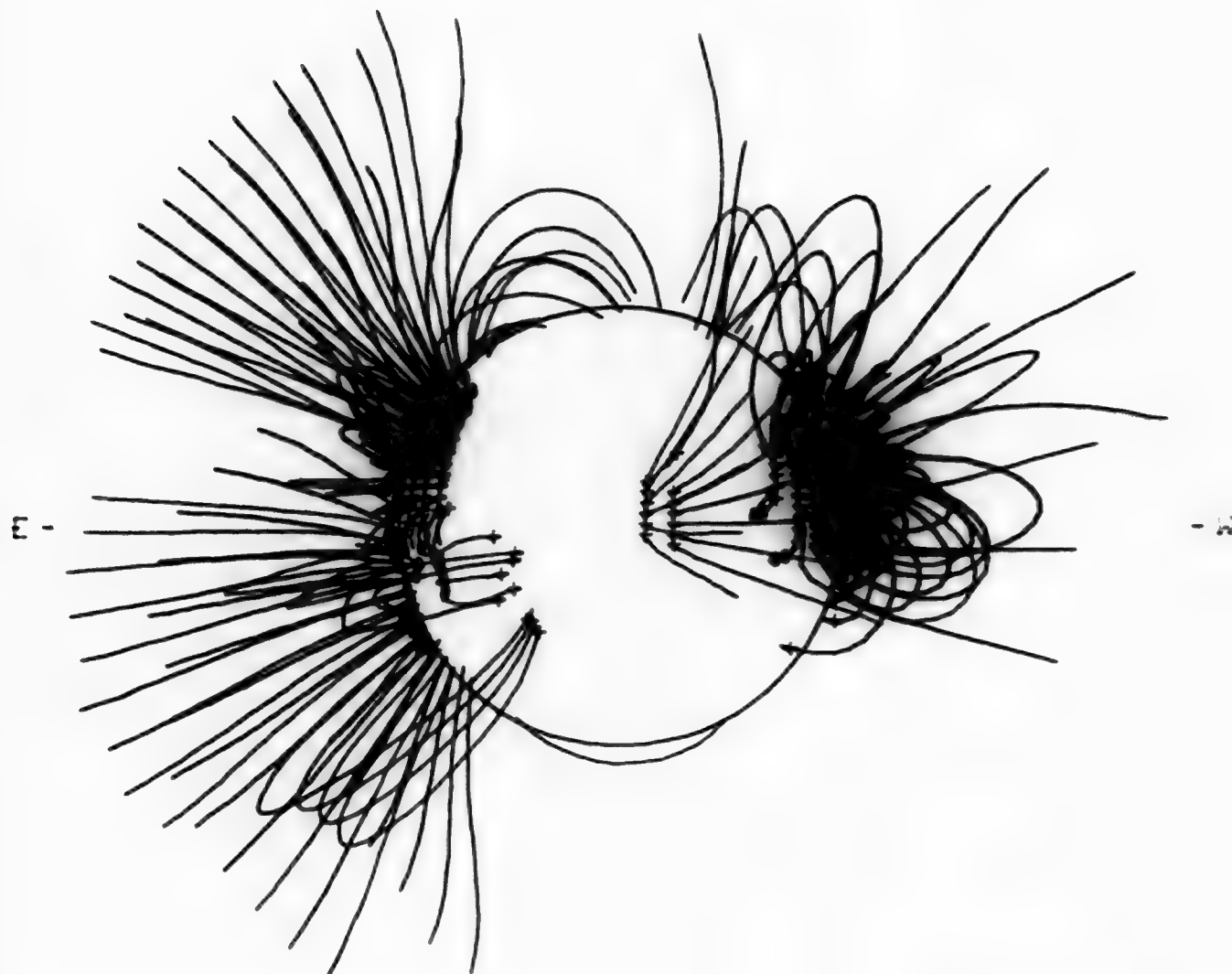
DATA WINDOW 1477.00

S

ROT. 1477 2016. 150°
17.7 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

11
1



QUALITY GOOD

POLES AVERAGED

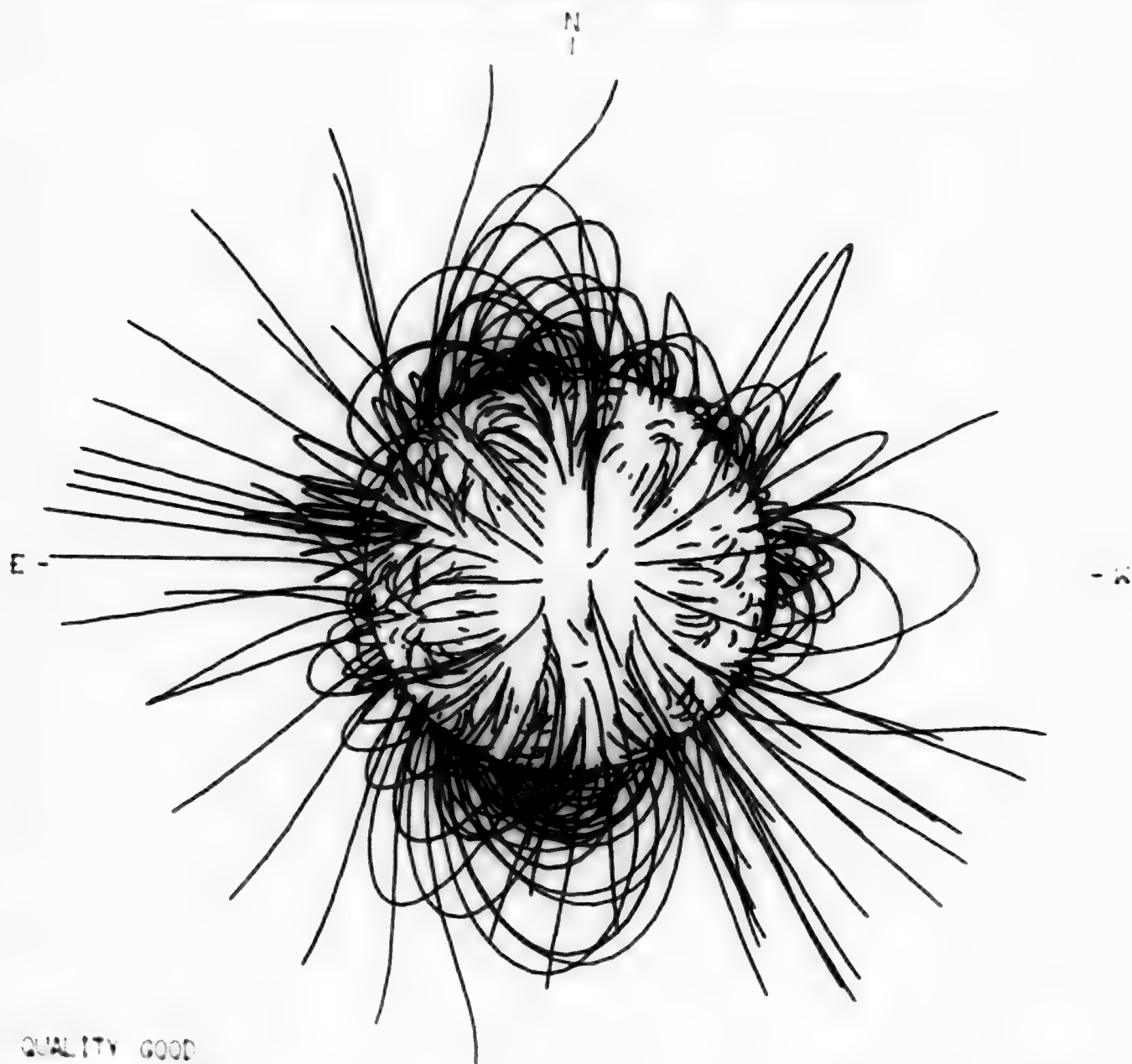
DATA WINDOW 1.477.00

1
S

ROT. 1477 LONG. 180°

17.7 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

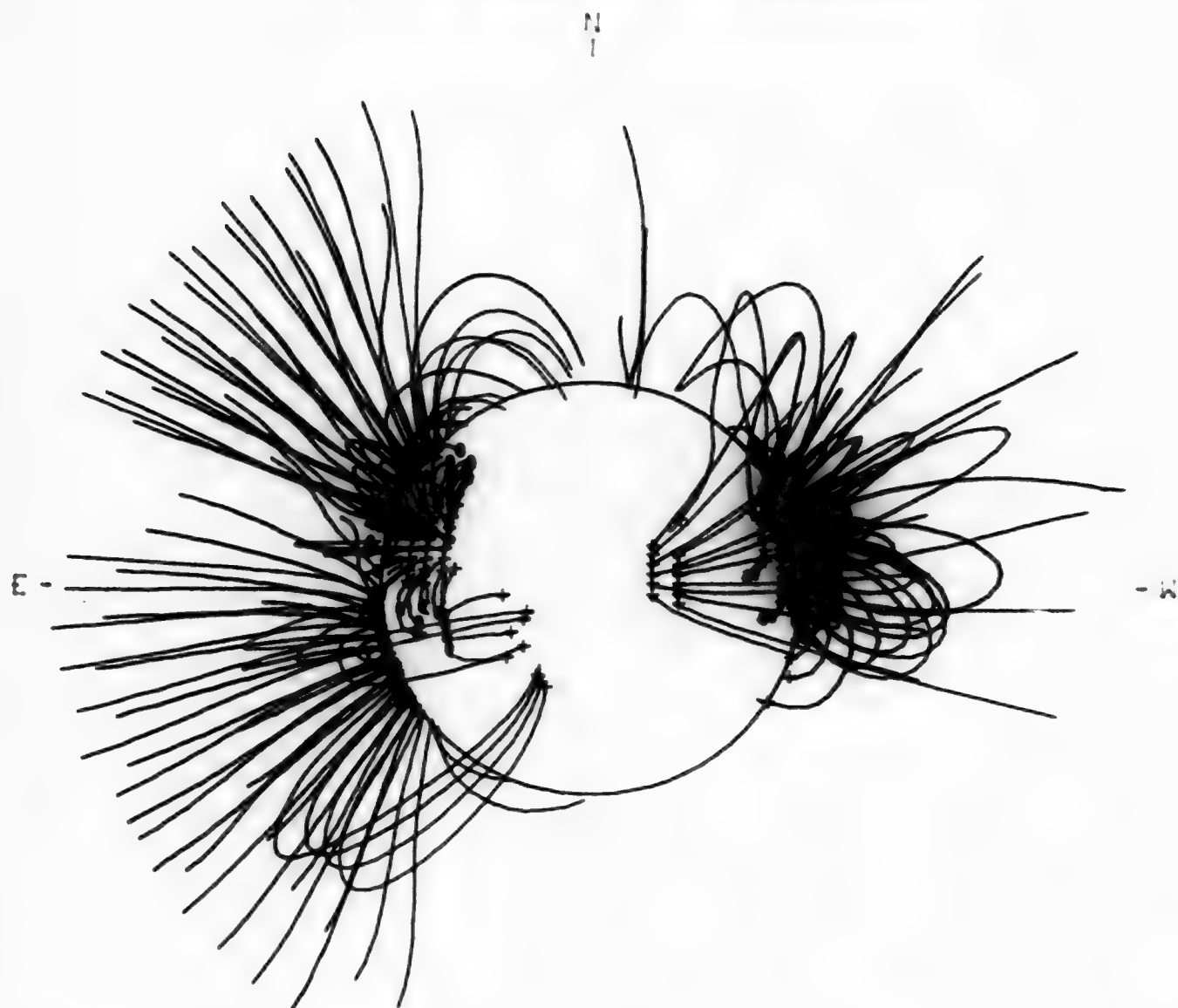
DATA WINDOW 1477.00

S

ROT. 1477 LONG. 121°

18.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



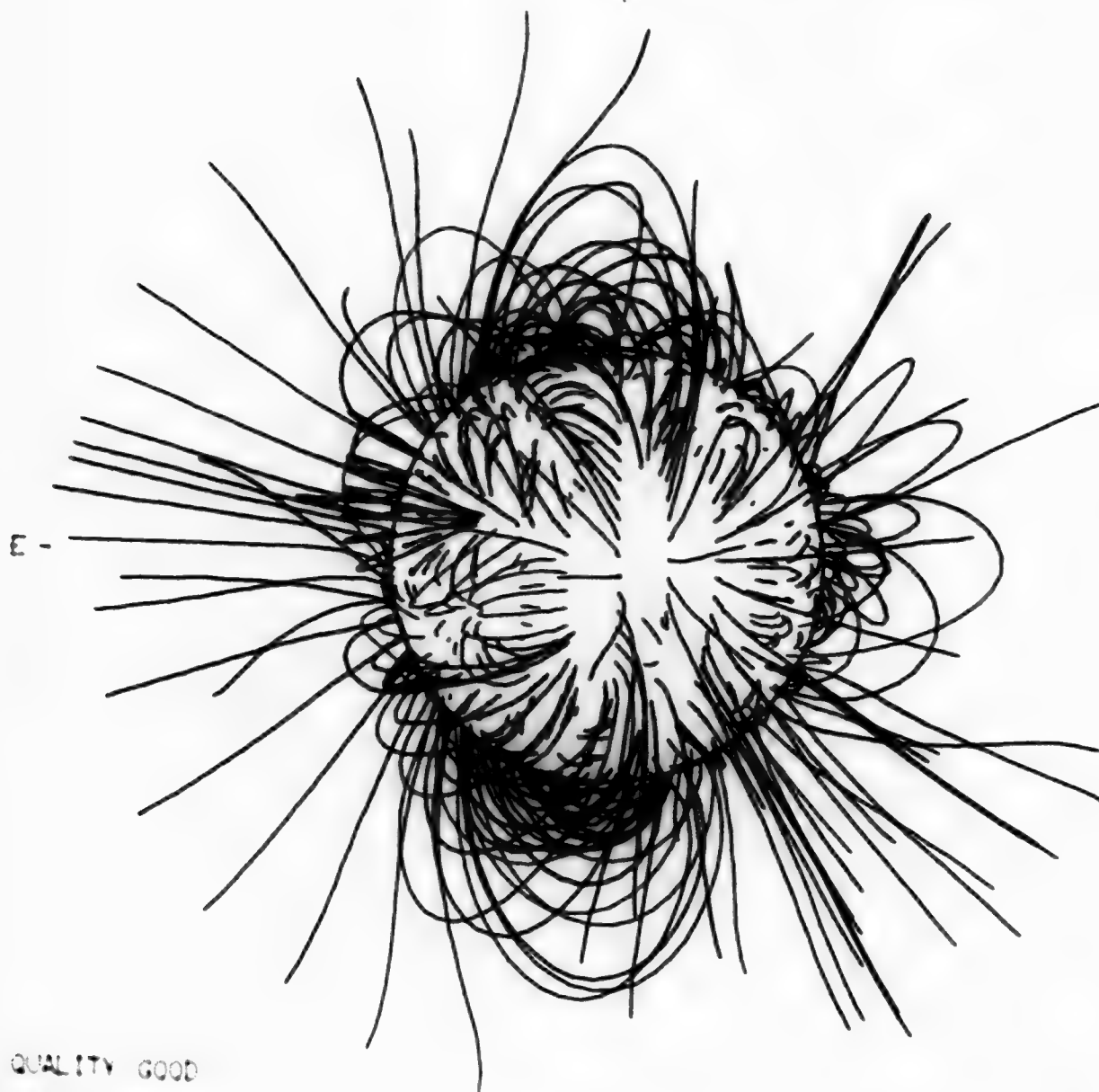
QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1477.00

ROT. 1477 LONG. 121°
18.5 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

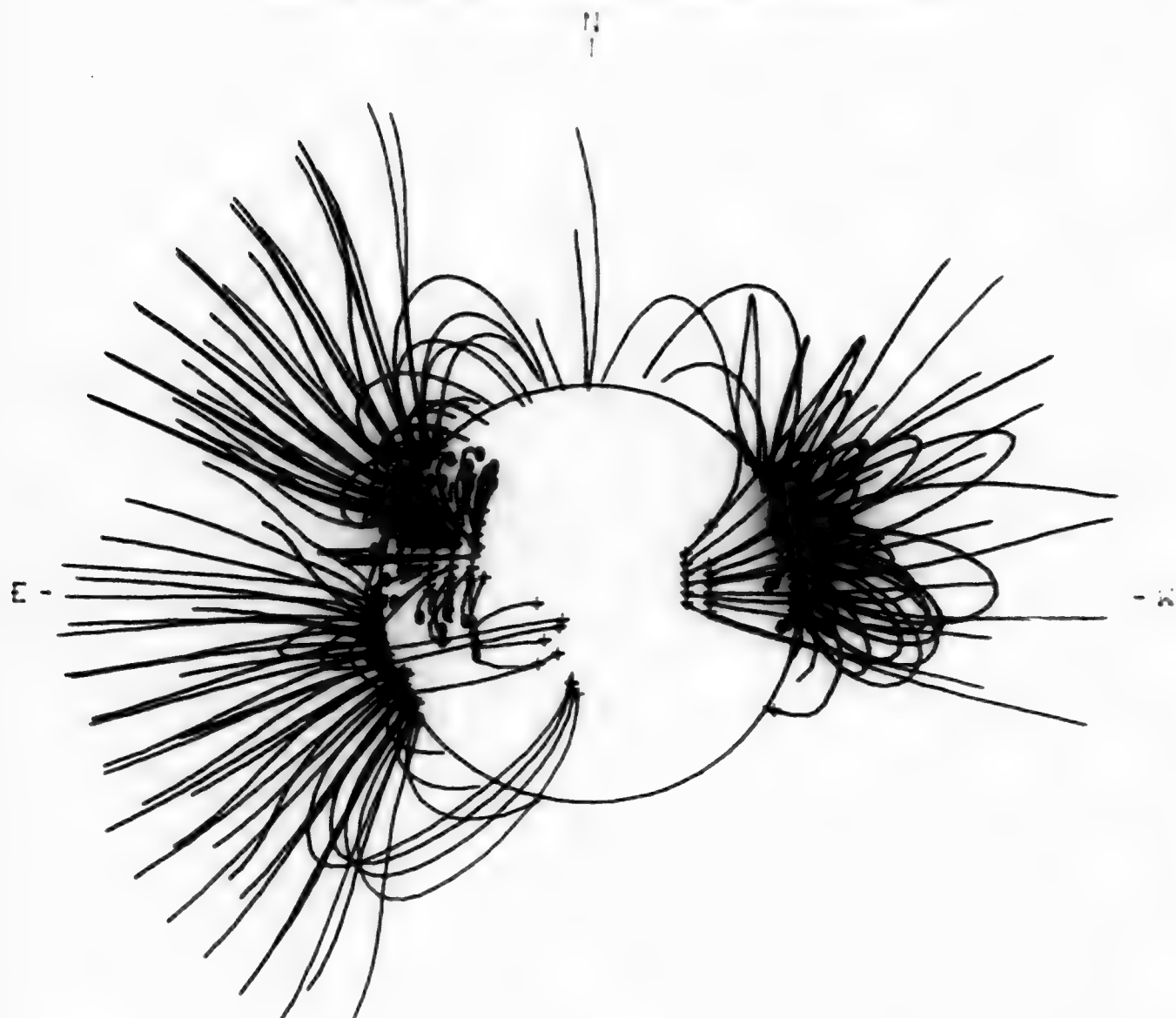


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.477.00

1
S

ROT. 1477 LONG. 111°
19.2 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

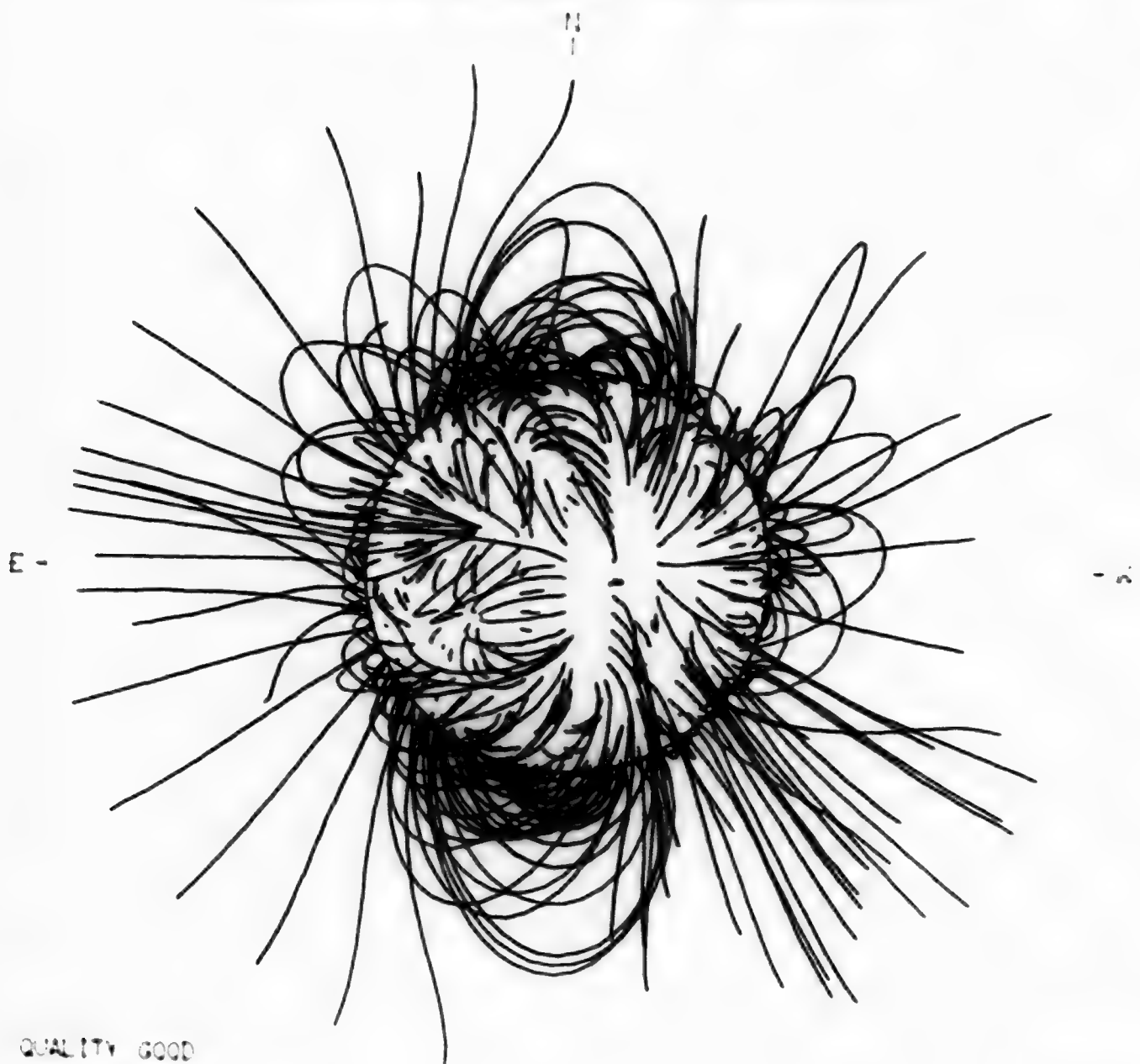


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1:577.00

S

RUT. 1477 LONG. 111°
 19.2 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

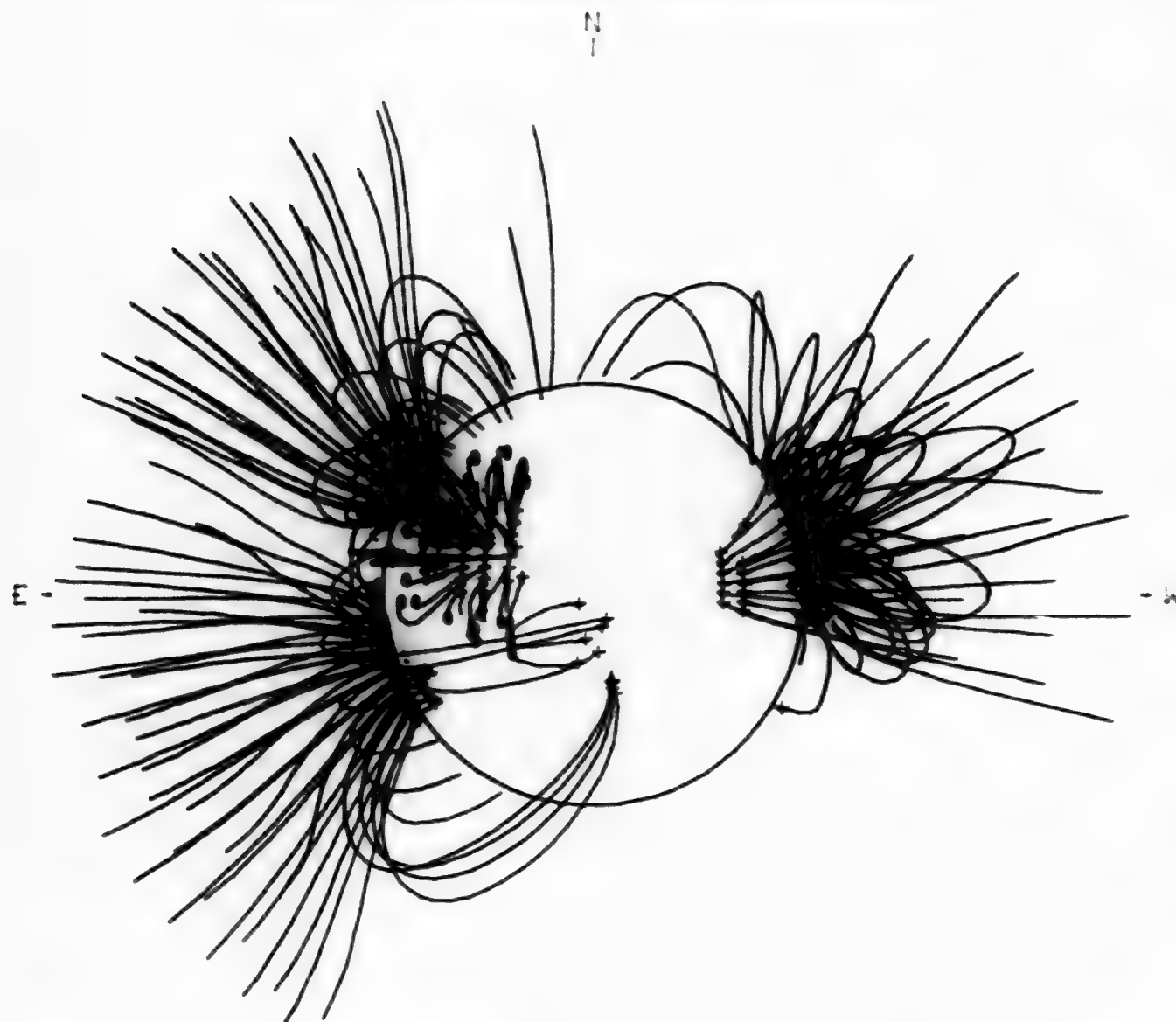
DATA WINDOW 1477.00

N
S

ROT. 1477 LONG. 111°

20.0 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

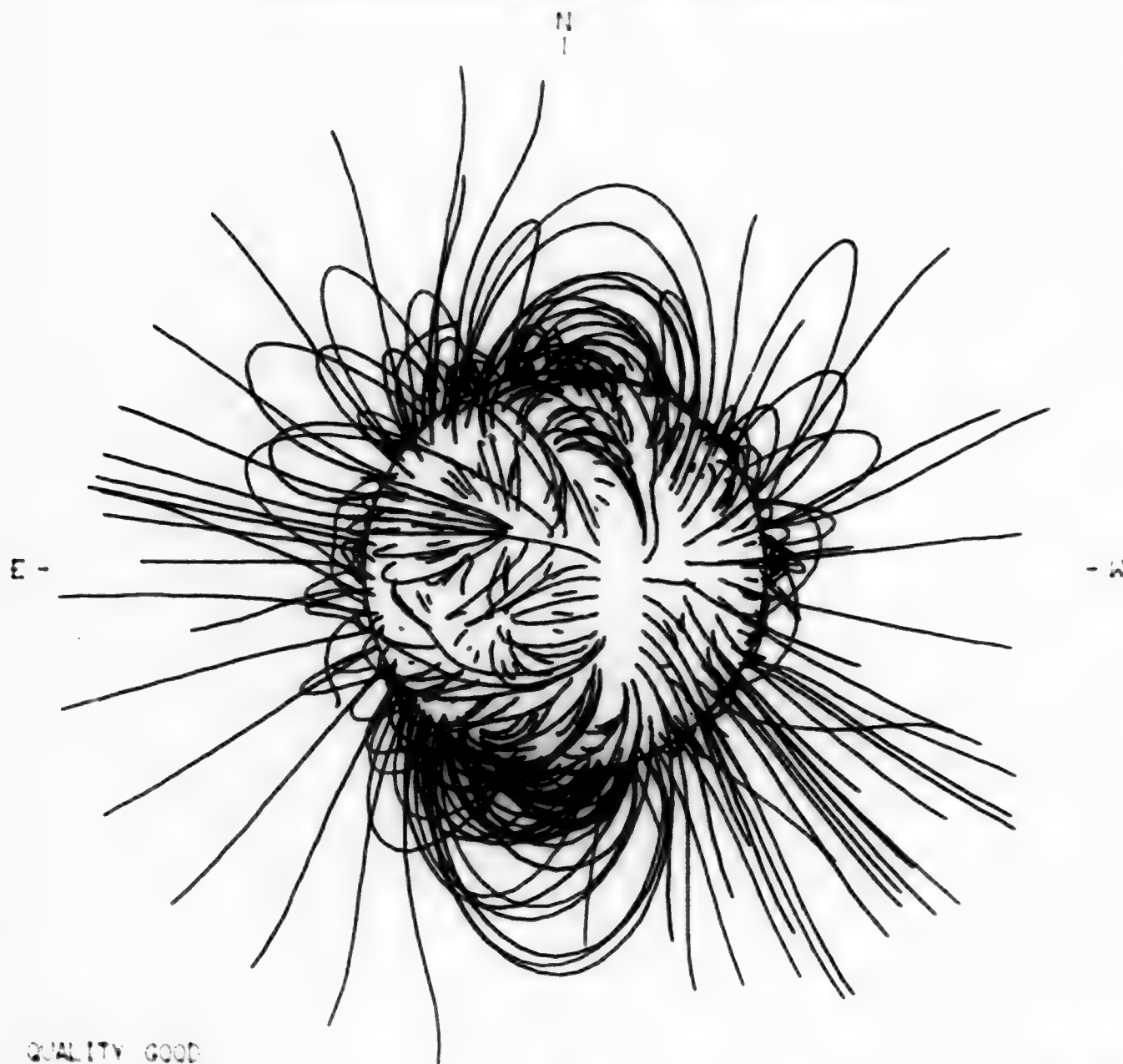
DATA WINDOW 1877.00

! S

RUT. 1277 LONG. 111°

20.0 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

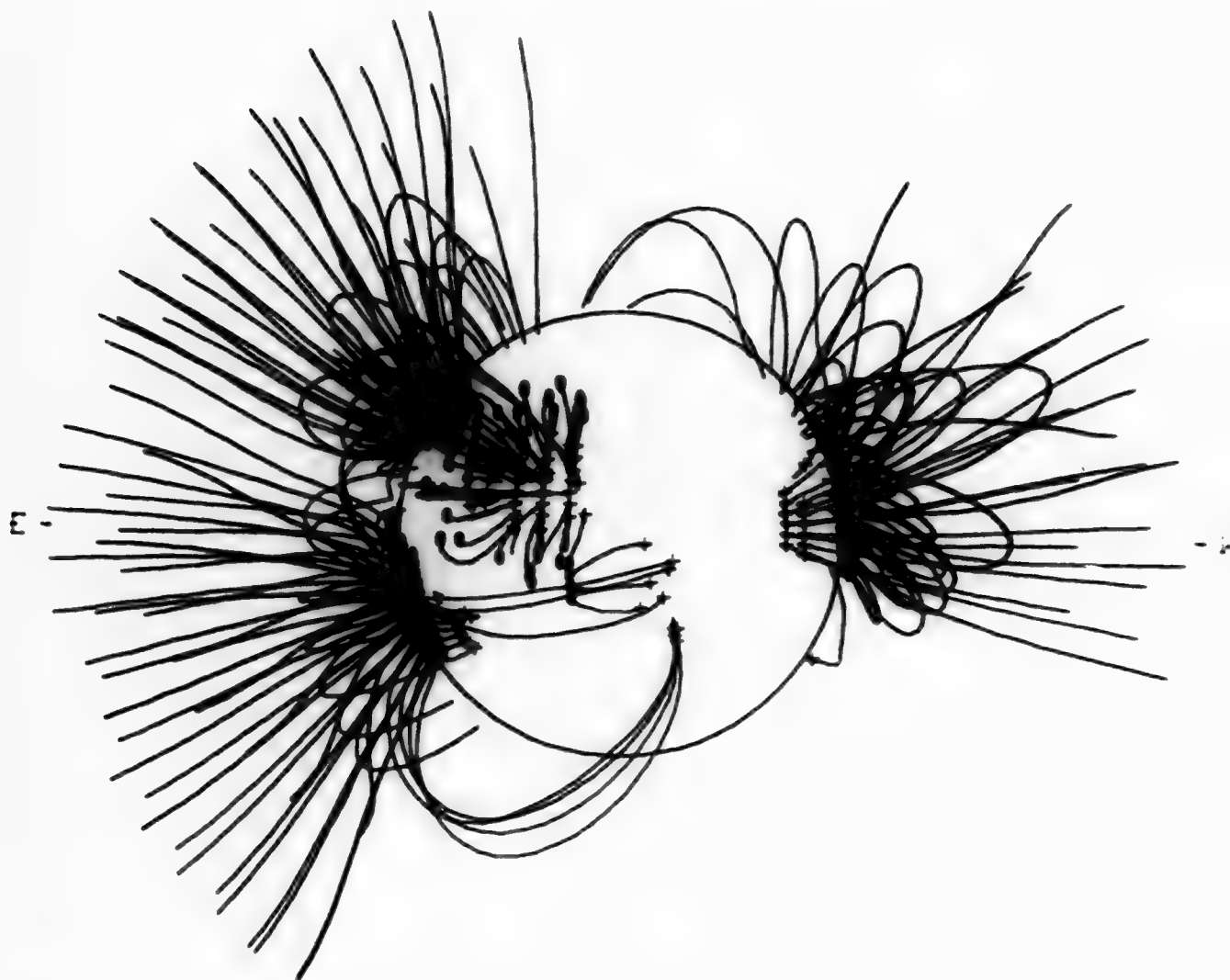
DATA WINDOW 1477.00

ROT. 1477 LUN. 1477

20.7 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

POLES AVERAGED

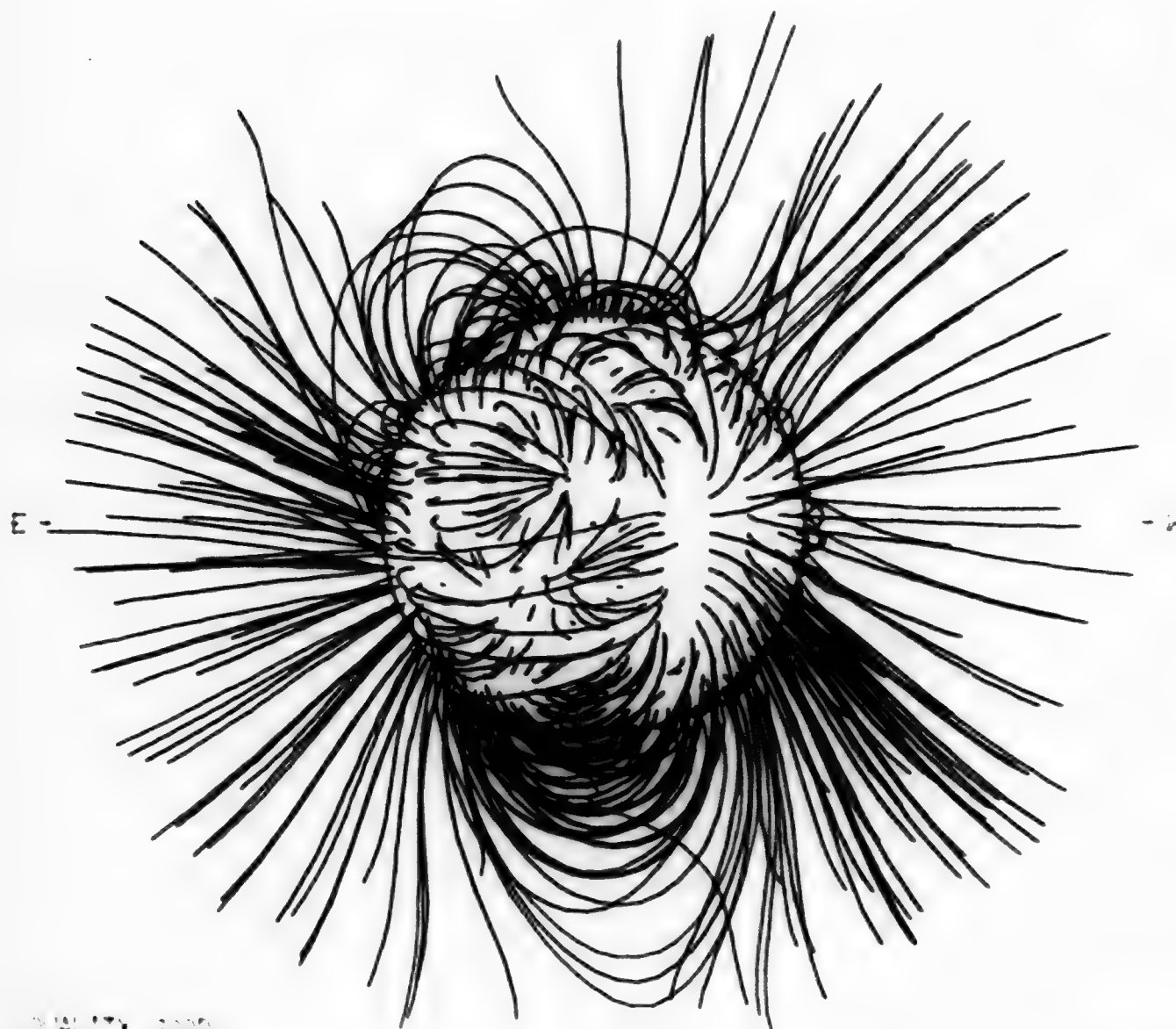
DATA WINDOW 1477.00

S
|

ROT. 1477 LONG. 90°

20.7 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

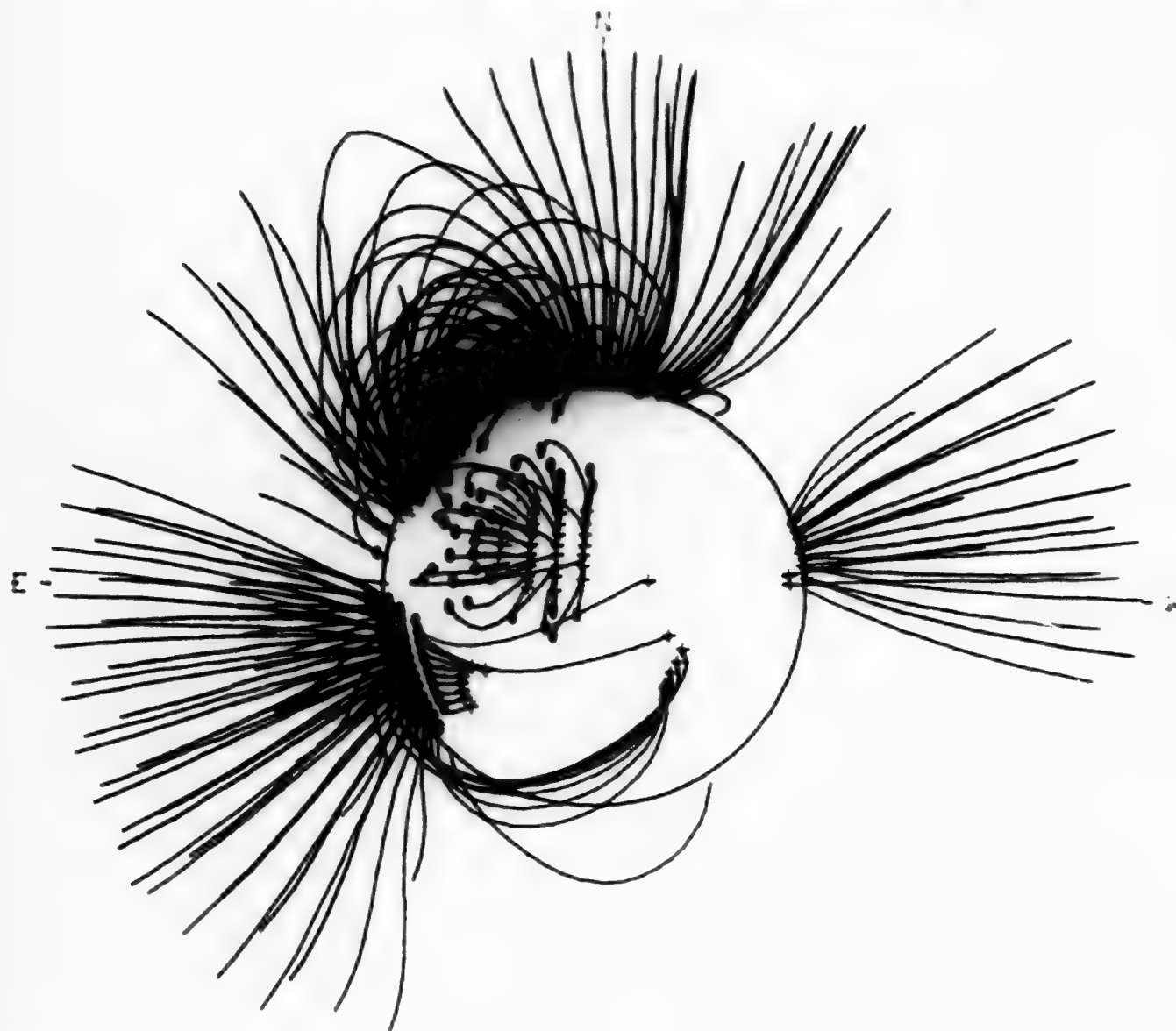
DATA WINDOW 1477.47

1
S

ROT. 1477 1478. 1479

21.5 FEB 1964

HIGH ALTITUDE OBSERVATORY - WALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

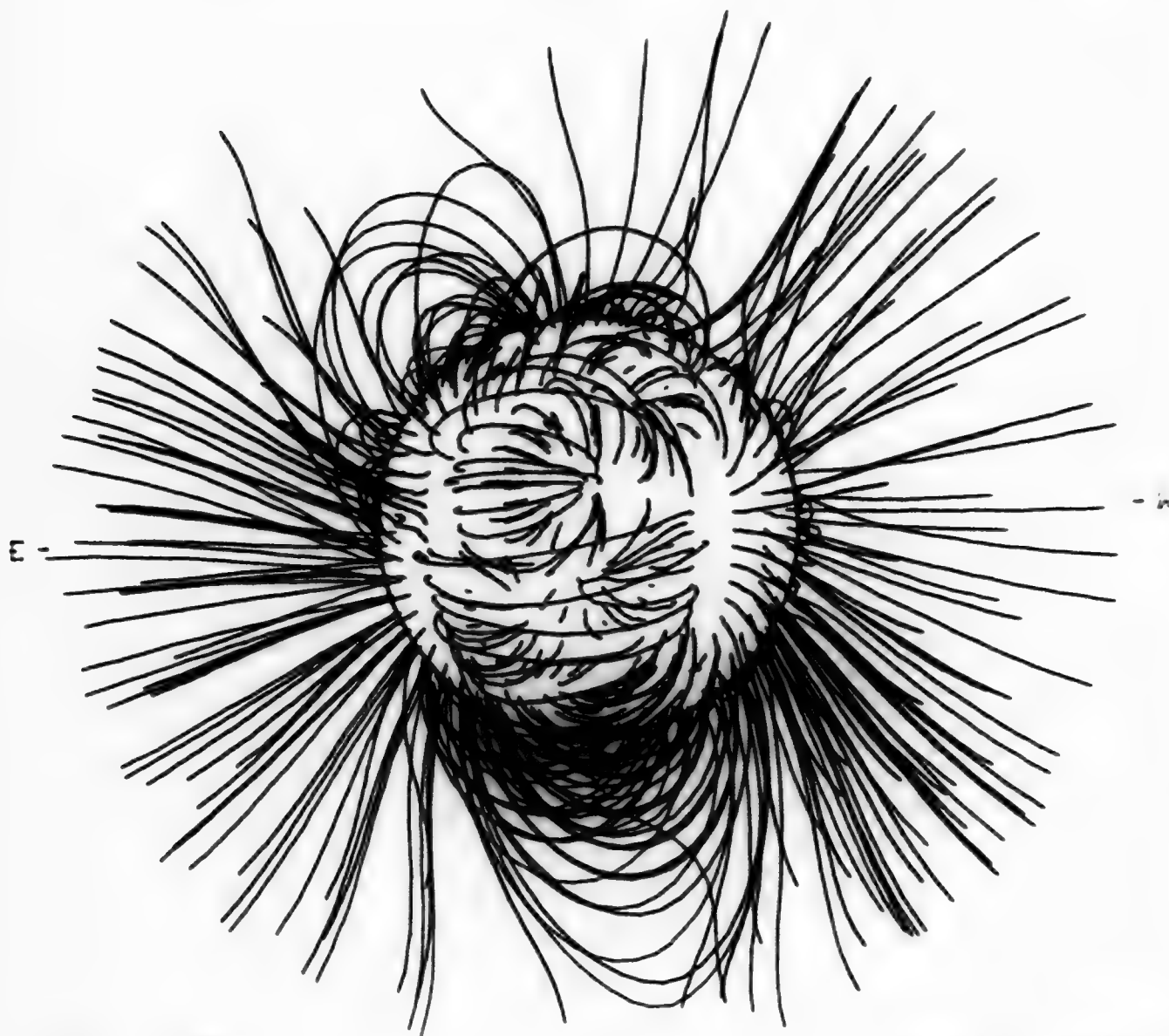
DATA WINDOW 1477.47

1
S

RUT. 1477 LONG. 81°

21.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

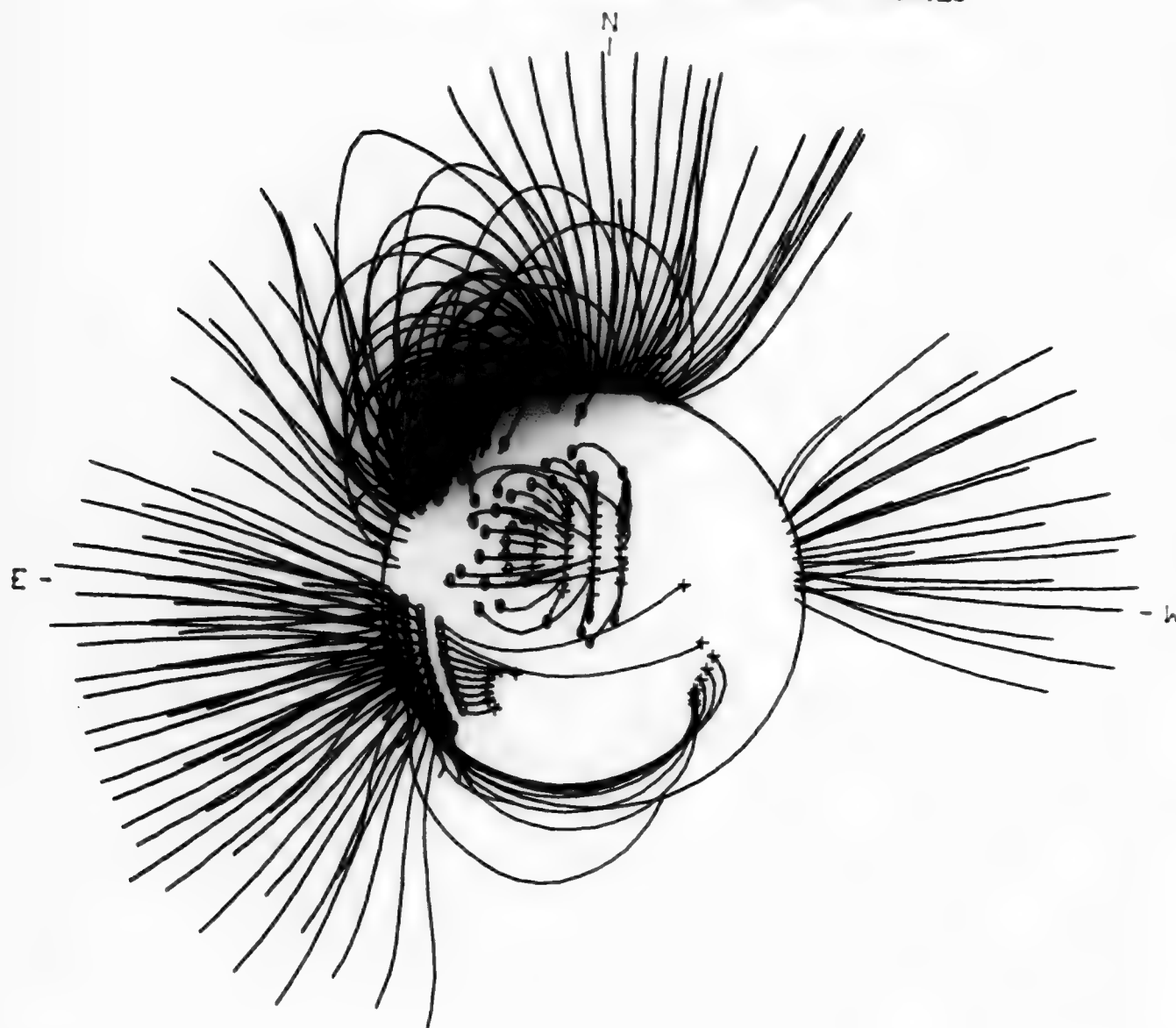


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.47

I
S

ROT. 1477 LONG. 70°
22.3 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

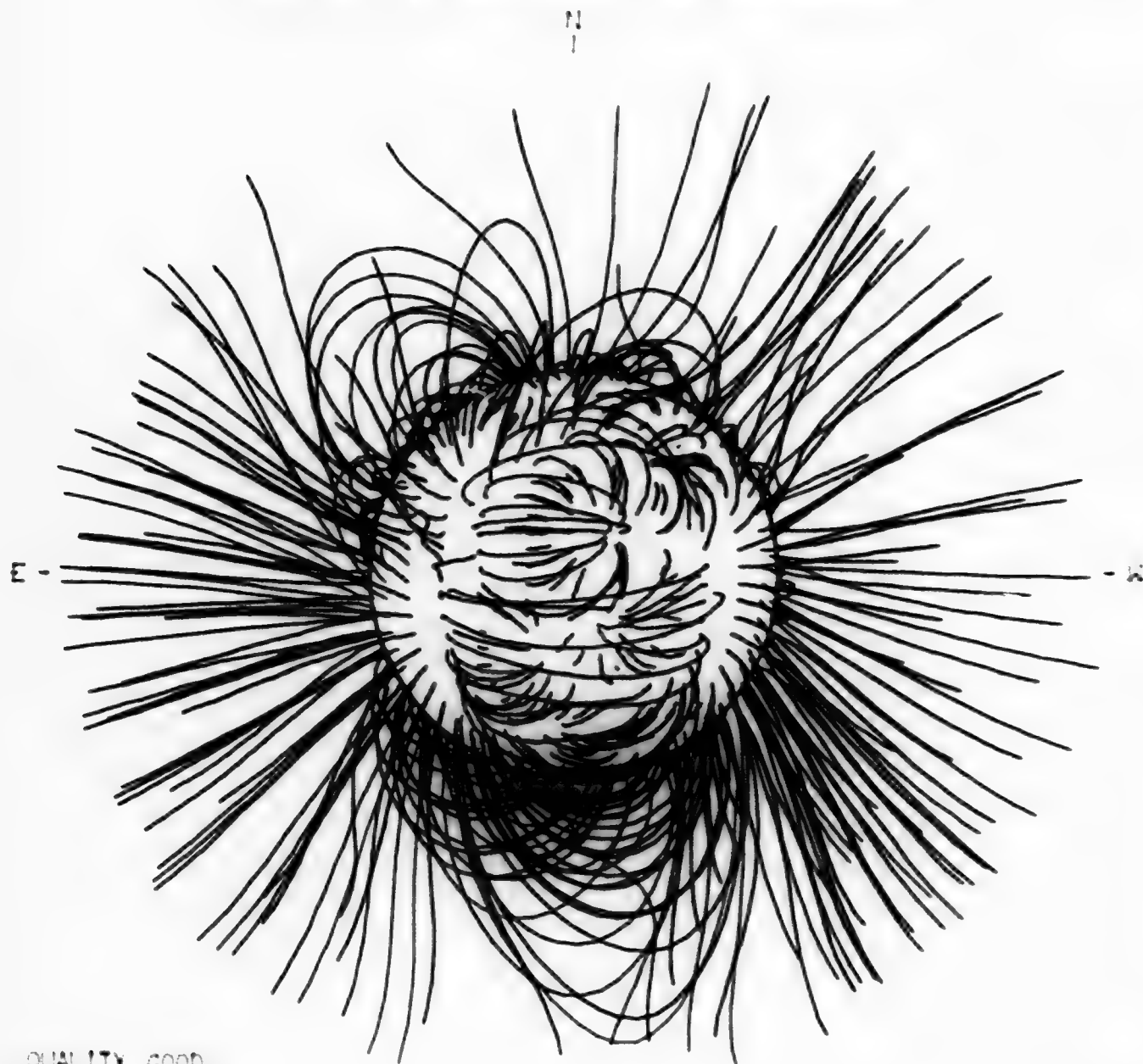


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1477.47

1
 S

ROT. 1477 LONG. 70°
 22.3 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

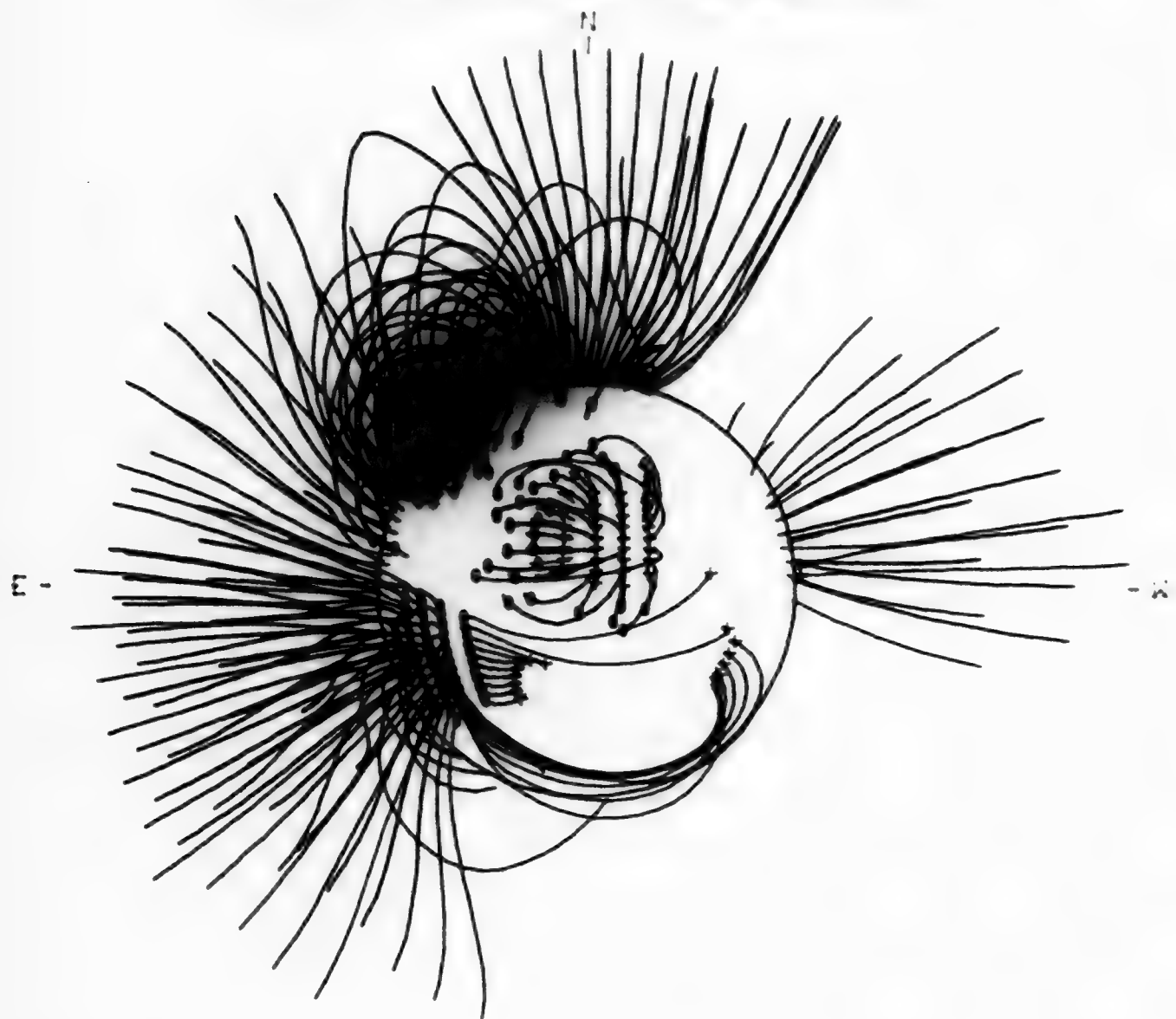
DATA WINDOW 1.577,47

S

ROT. 1.577 2.016 4.0

23.0 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1477.47

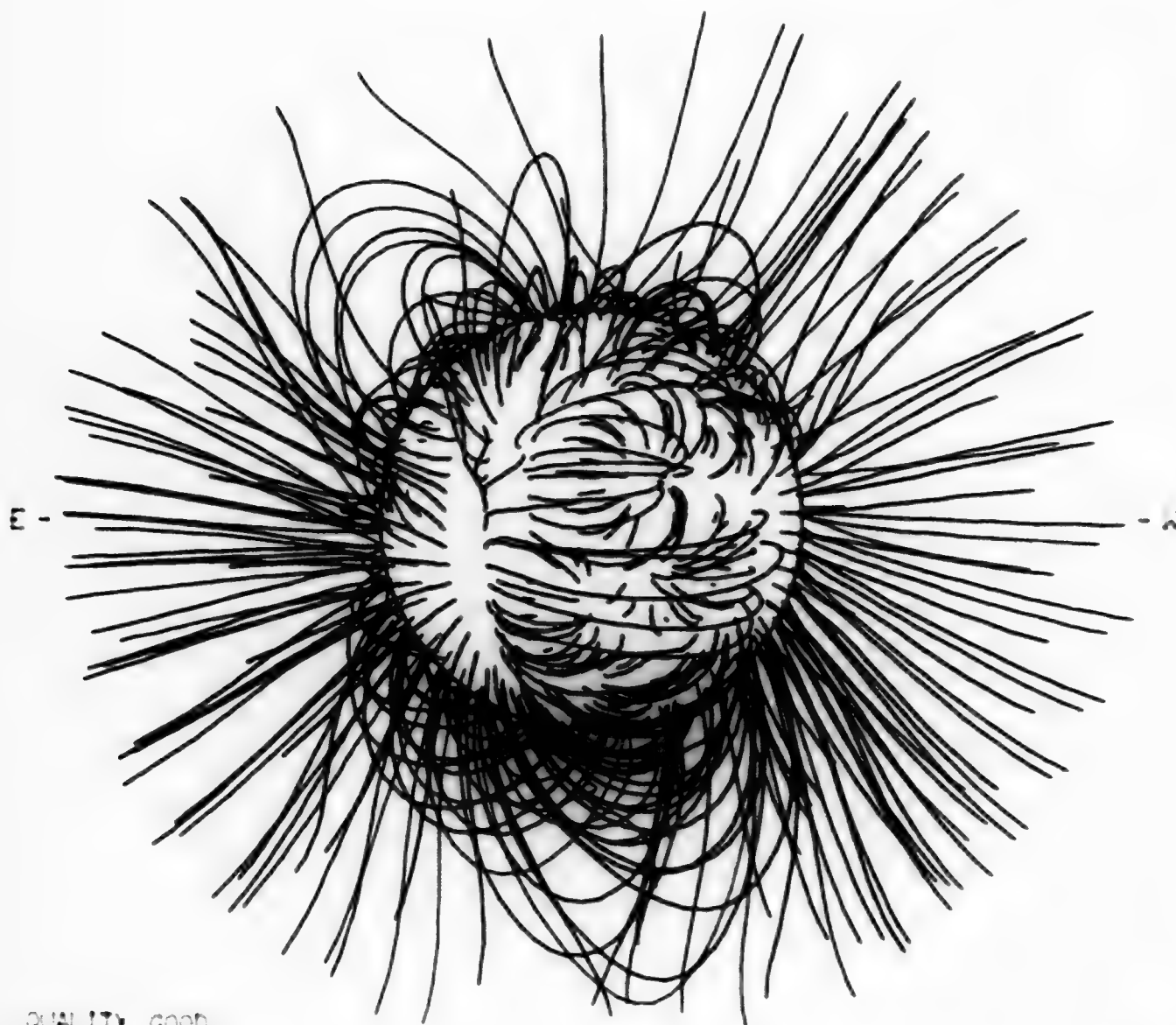
S

ROT. 1477 LONG. 60°

25.0 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
1



QUALITY GOOD

POLES AVERAGED

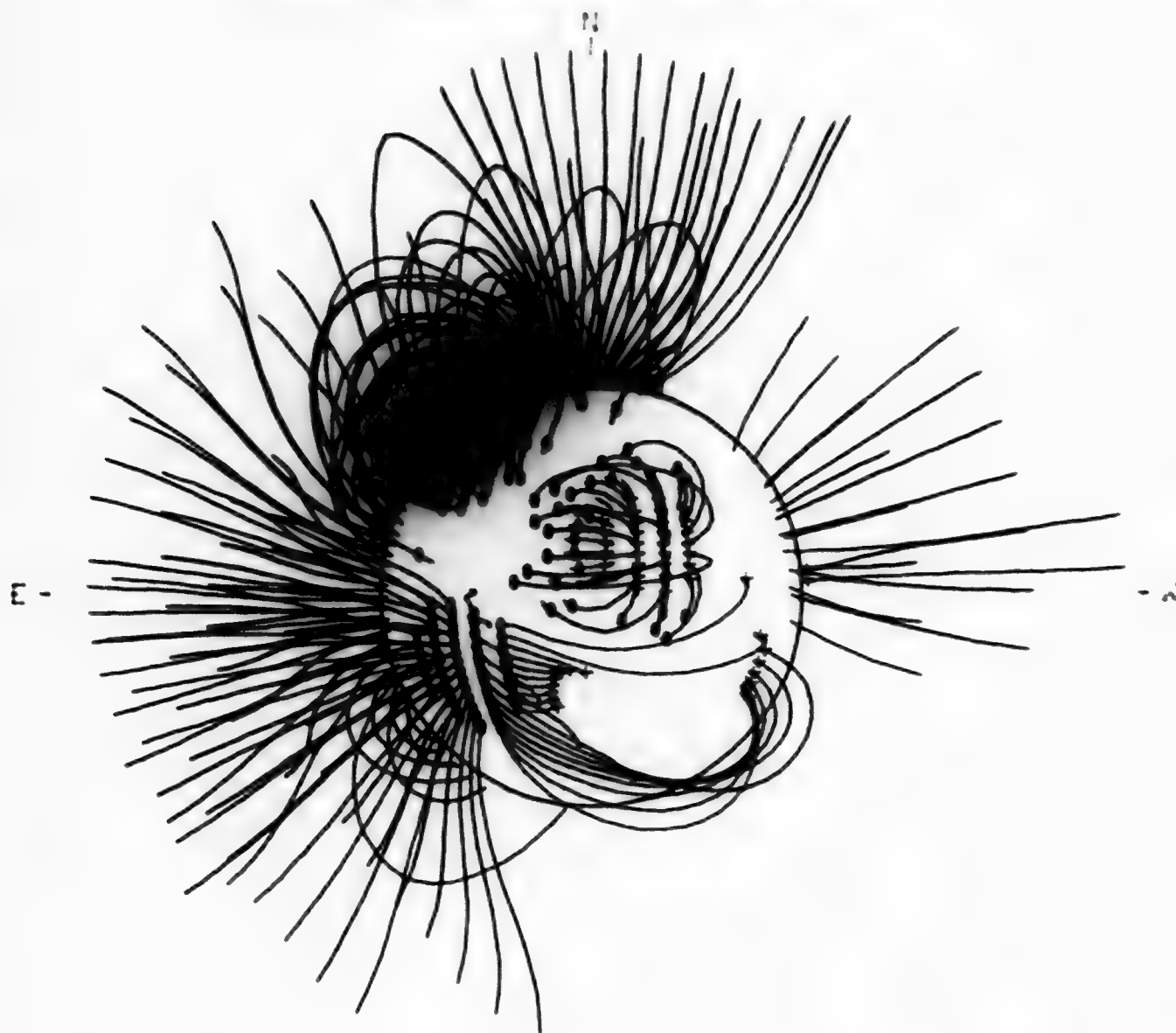
DATA WINDOW 1477.47

S
1

ROT. 1477 LONG. 50°

25.8 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

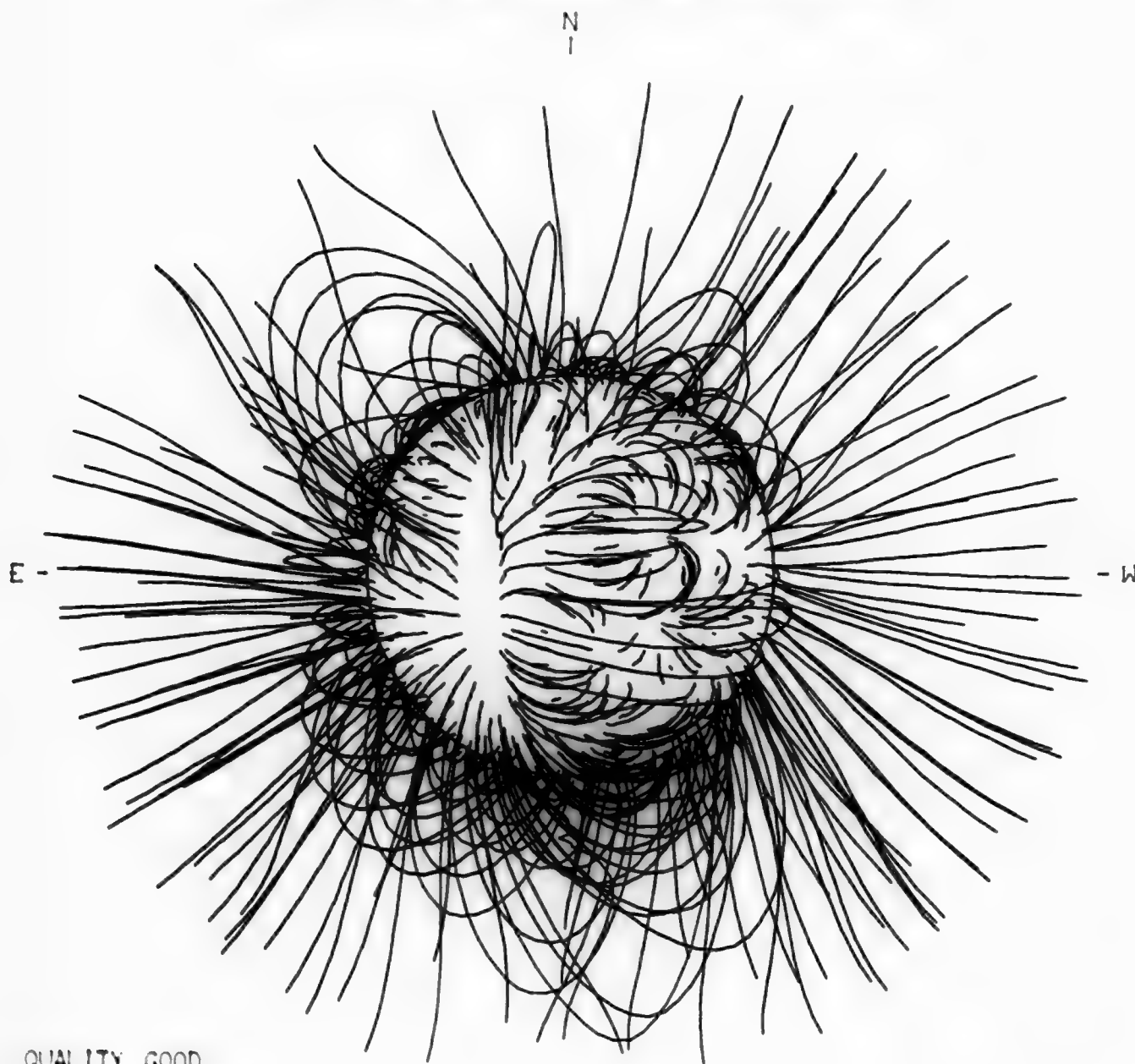
DATA WINDOW 1477.47

1
S

ROT. 1477 LONG. 50°

25.8 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

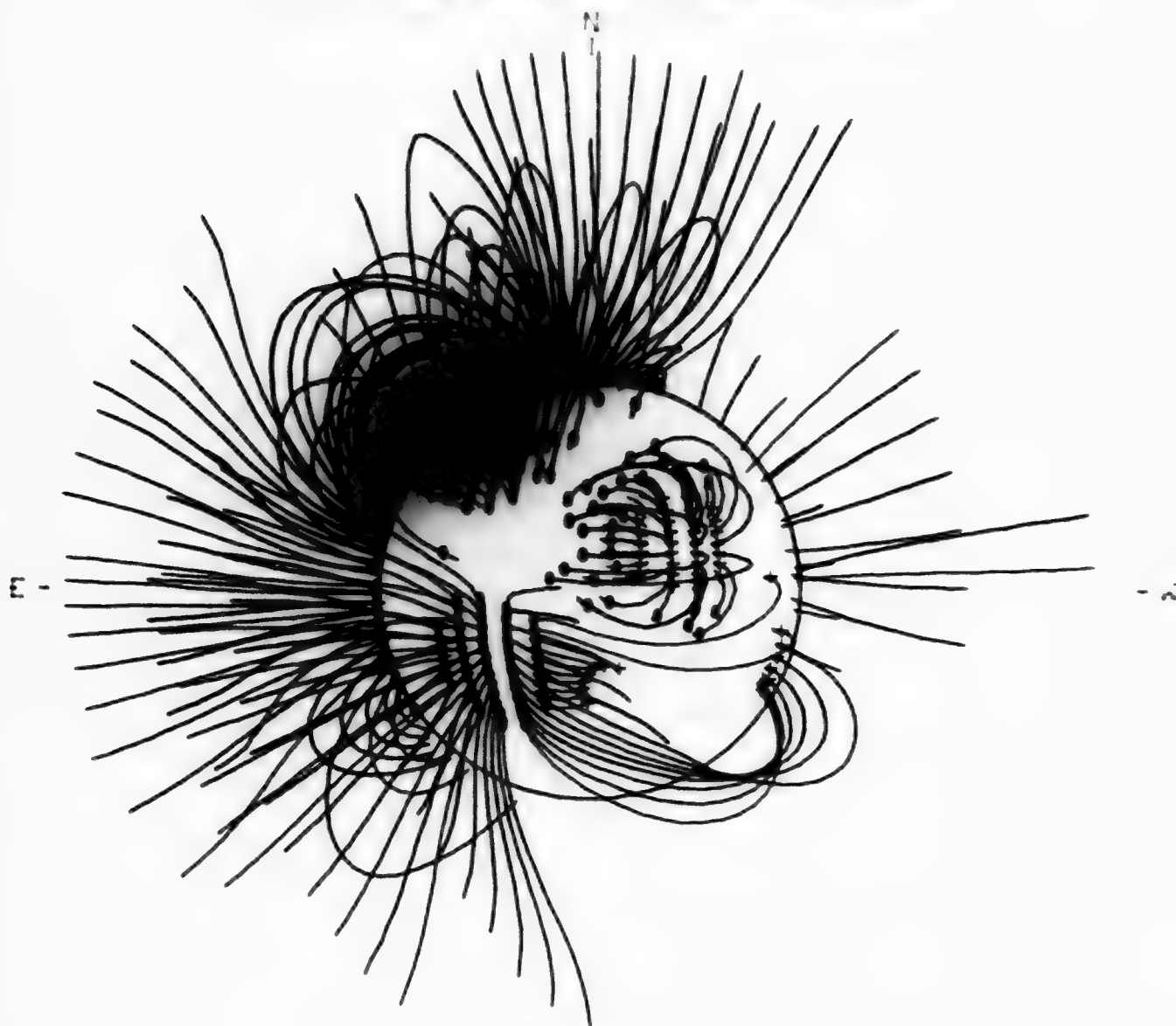
DATA WINDOW 1477.47

1
S

ROT. 1477 LONG. 40°

24.5 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

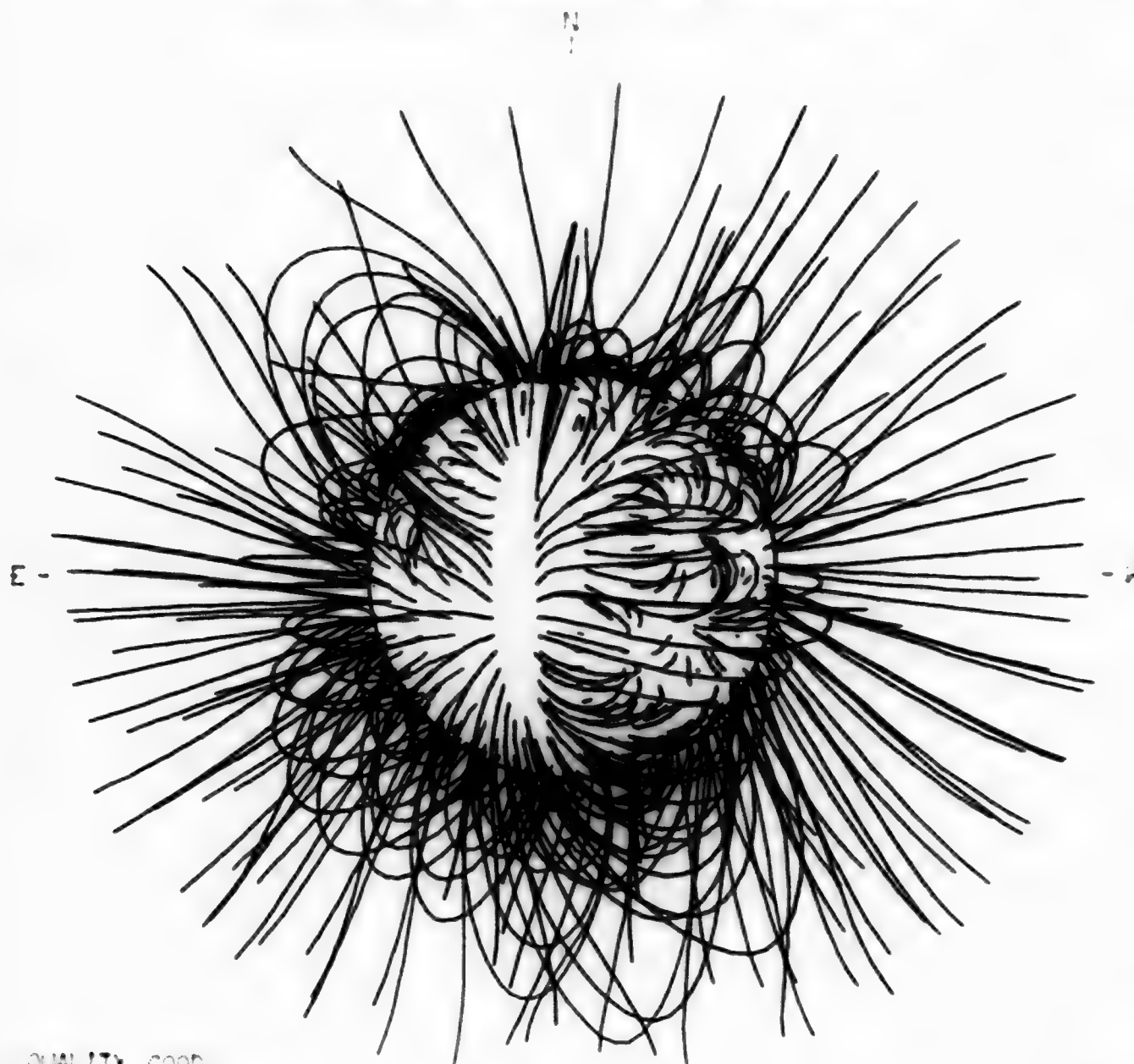
DATA WINDOW 1477.47

S

ROT. 1477 2016. 40°

24.5 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

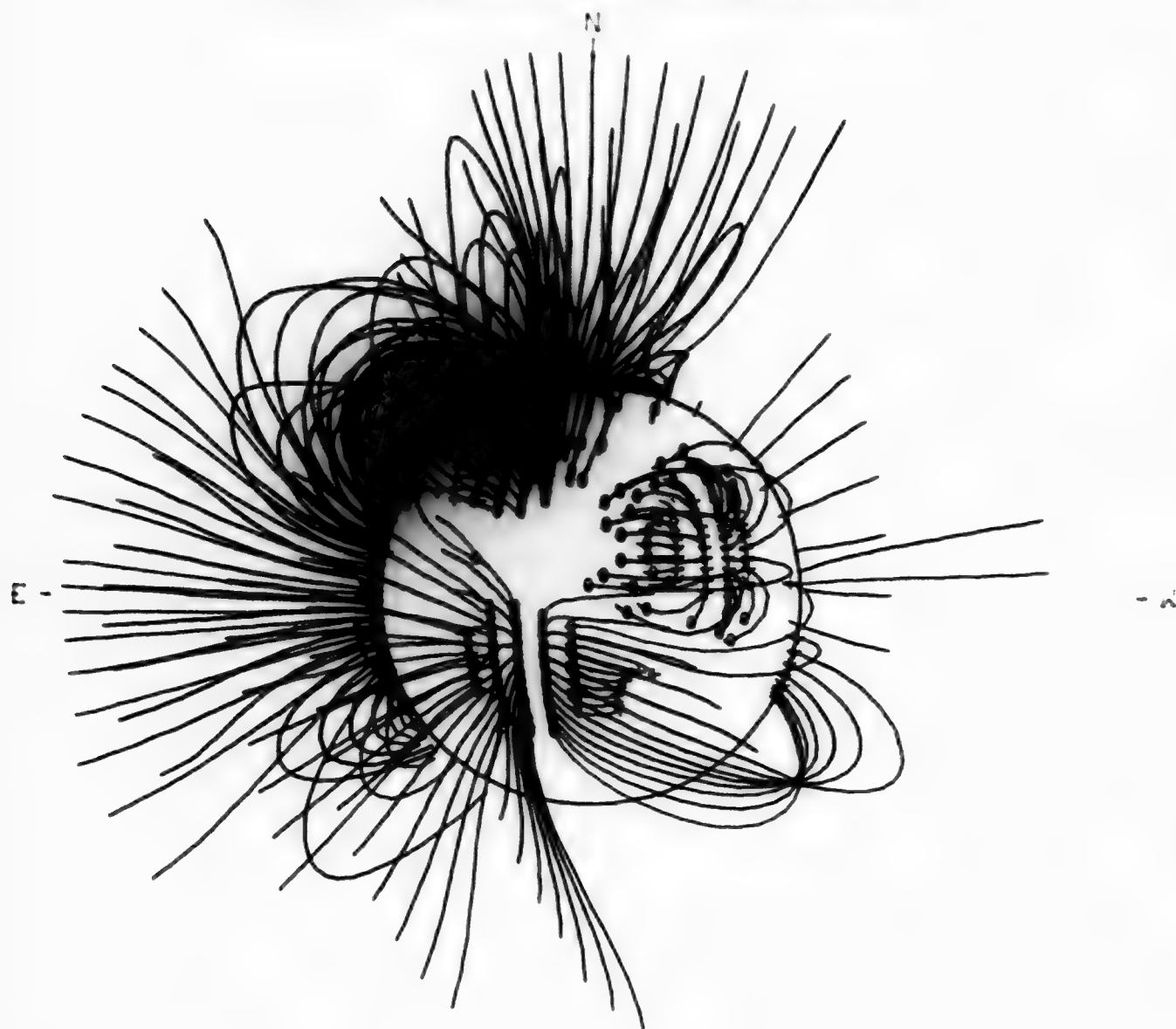
DATA WINDOW 1477.47

S

ROT. 1477 LONG. 50°

25.3 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

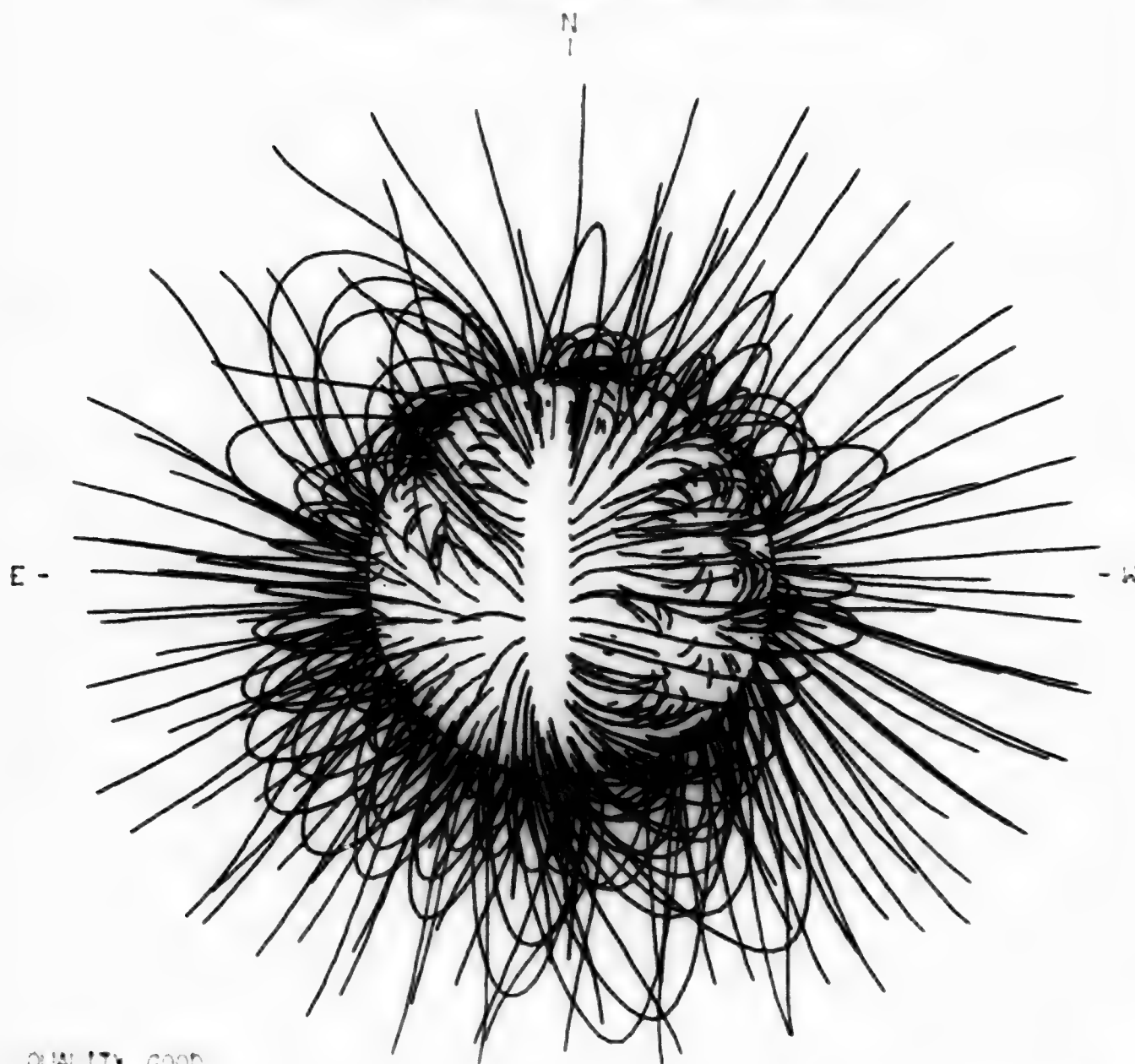
DATA WINDOW 1477.47

S

ROT. 1477 LONG. 30°

25.3 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1477.47

S

ROT. 1477 LONG. 20°

26.1 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

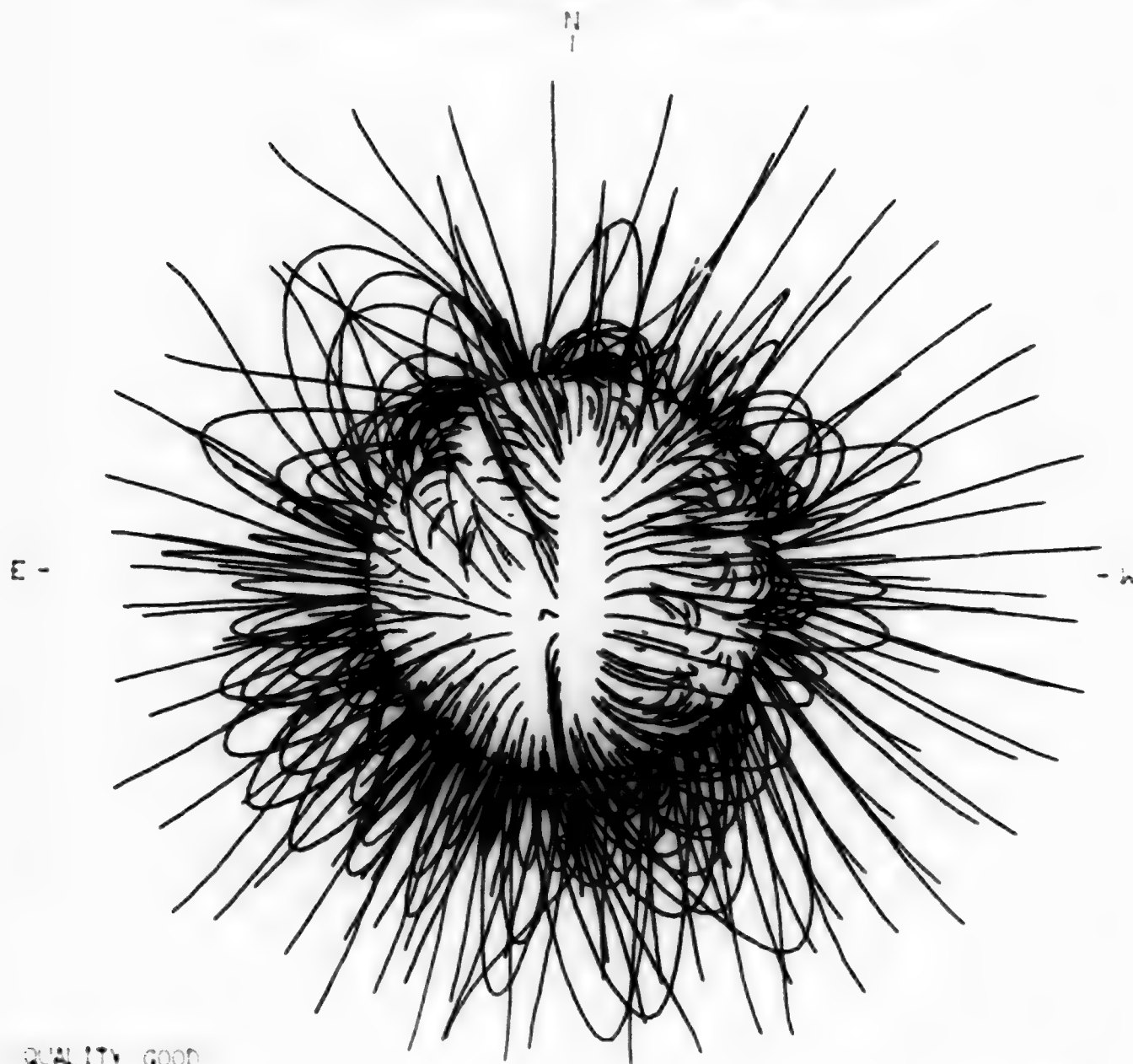
DATA WINDOW 1477.47

S

ROT. 1477 2016. 21°

26.1 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

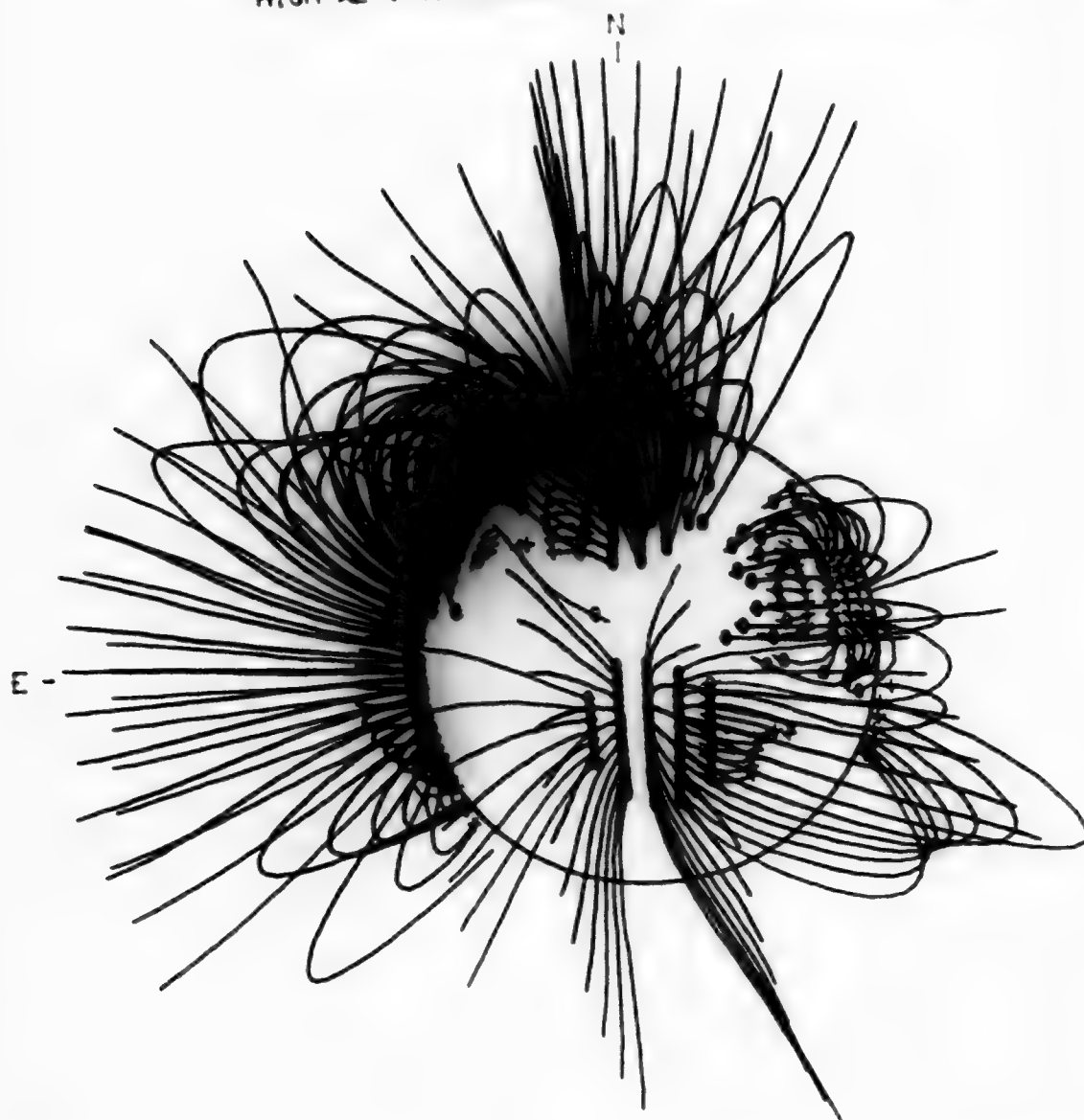
DATA WINDOW 1477.47

S

ROT. 1477 LONG. 147

25.8 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1477.47

1
 S

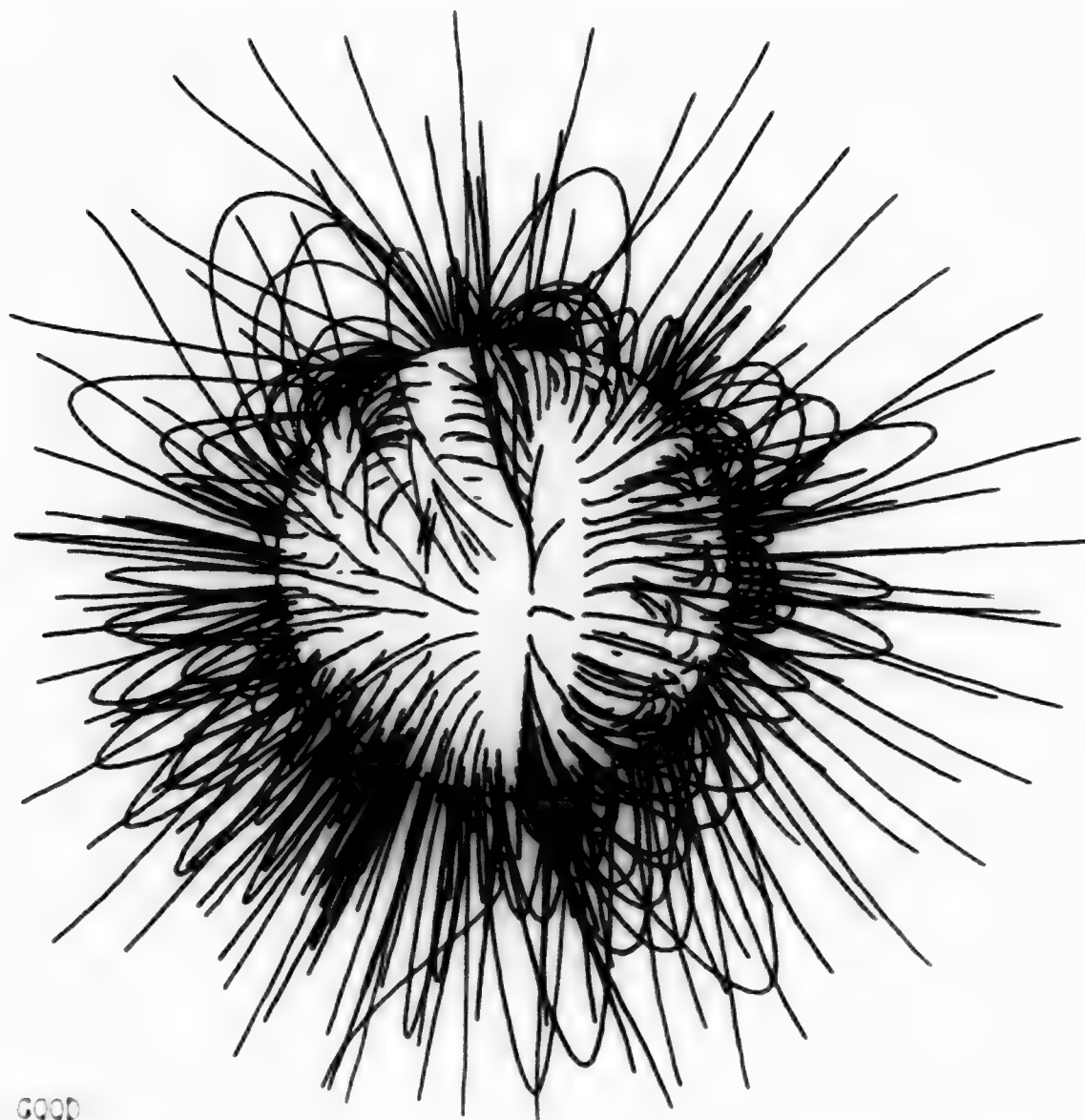
ROT. 1277 216. 11
 26.8 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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E -

- W



QUALITY GOOD

POLES AVERAGED

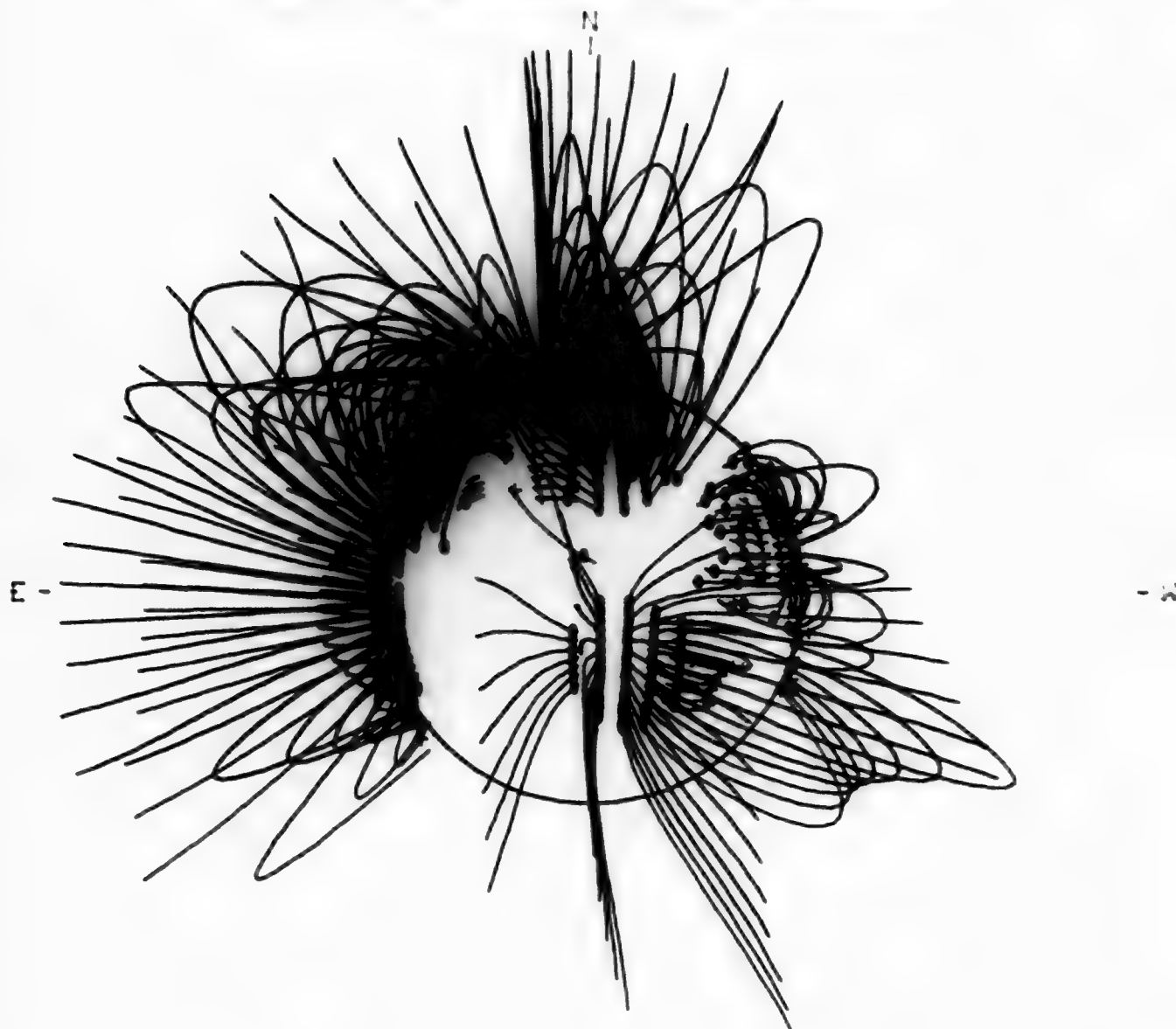
DATA WINDOW 1477.47

I
S

ROT. 1477 LONG. 1°

27.6 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1477.47

S

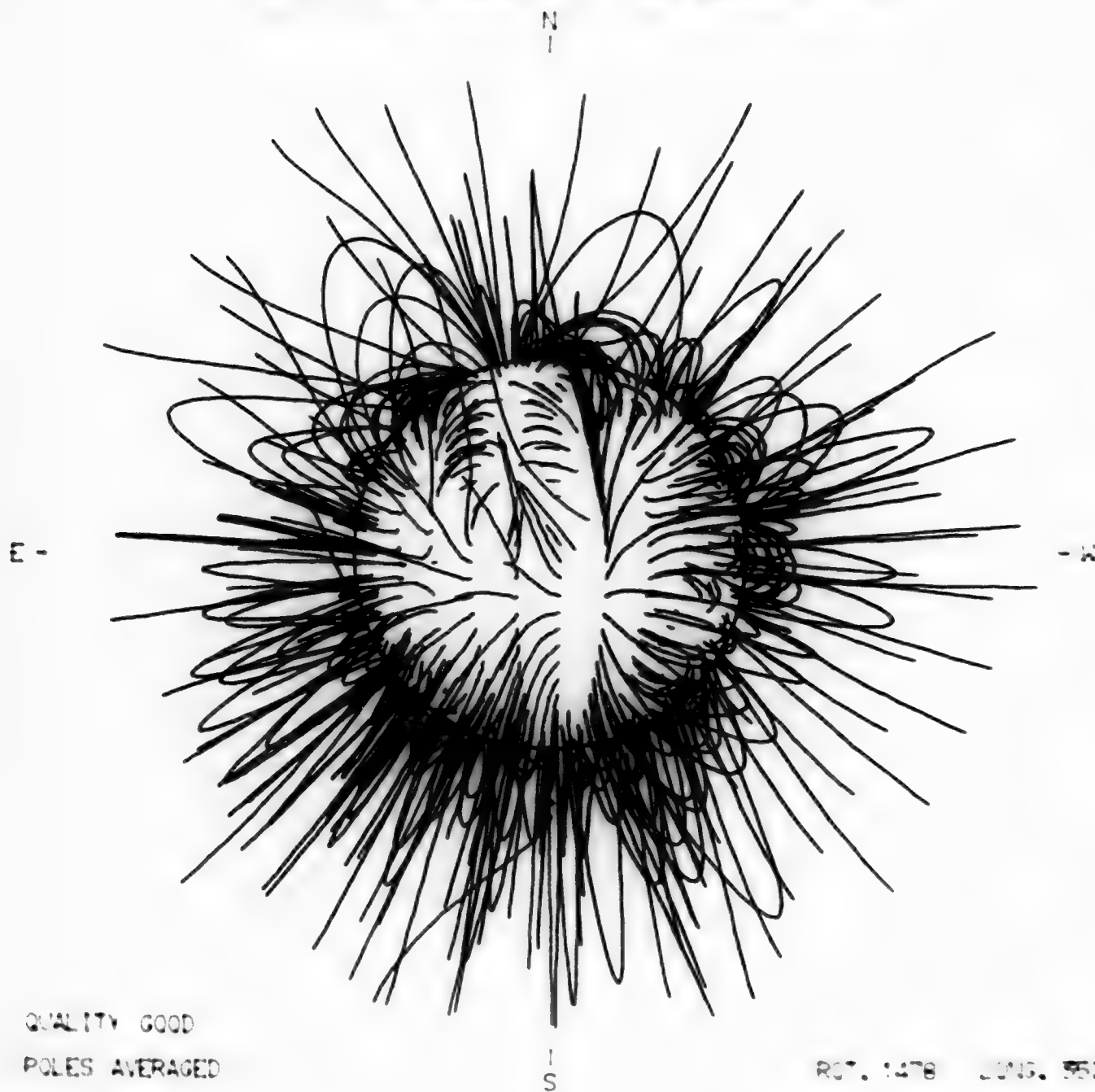
ROT. 1477

LONG.

27.6 FEB

1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

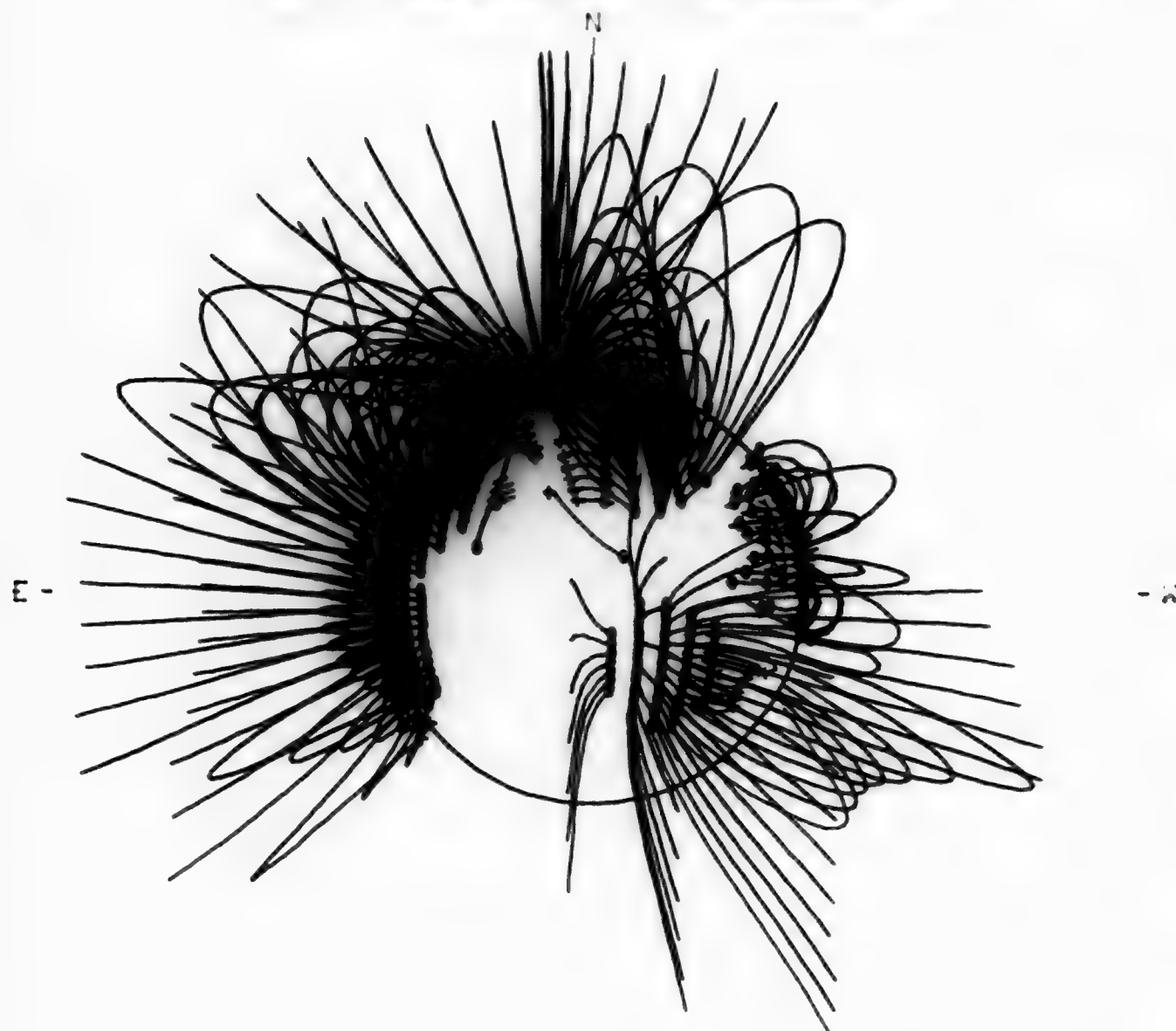
POLES AVERAGED

DATA WINDOW 1477.47

ROT. 1478 LONG. 551°

28.5 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

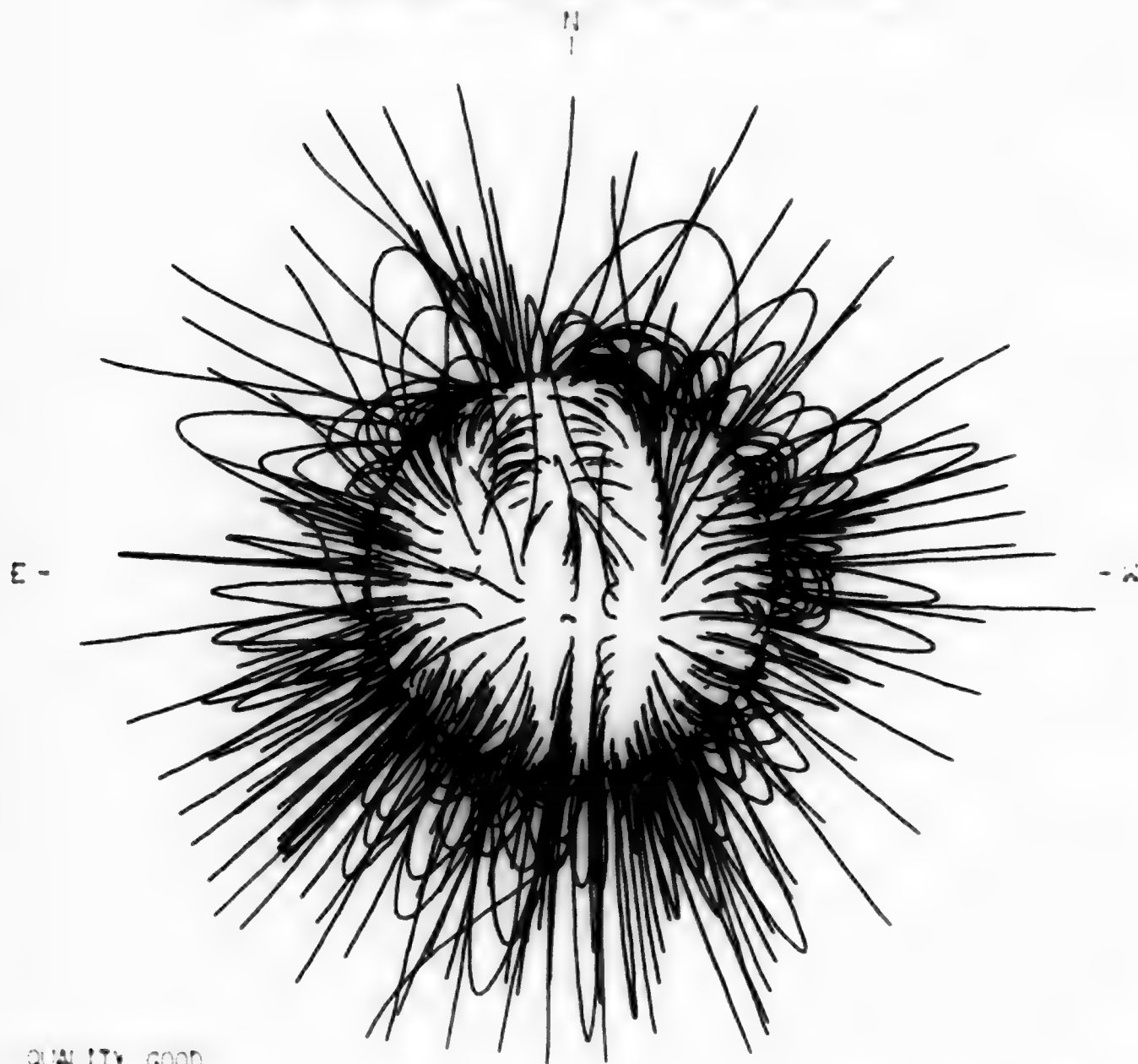
DATA WINDOW 1477.47

N
S

ROT. 1478 LONG. 55.1°

28.5 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

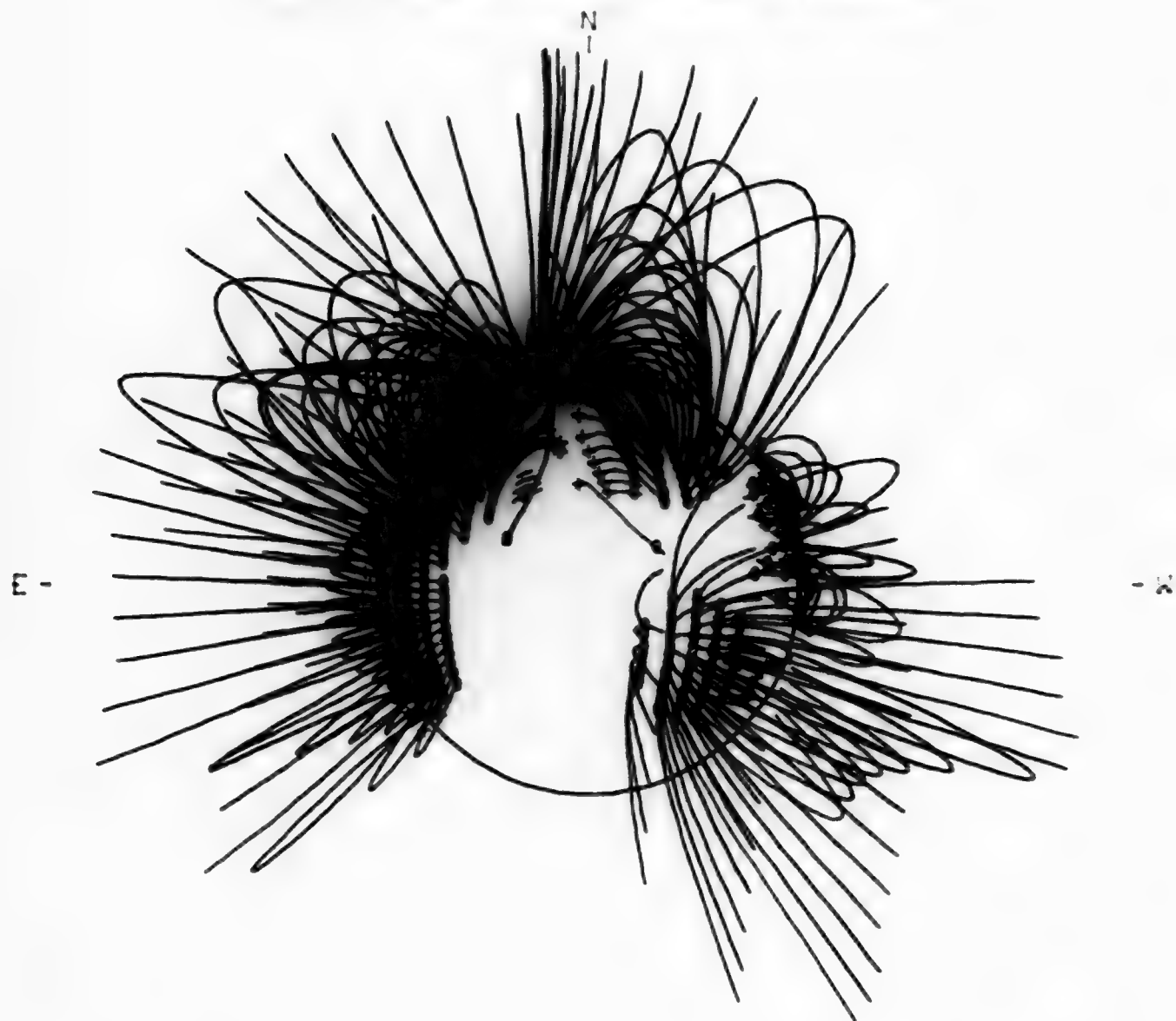
DATA WINDOW 1477.47

S

ROT. 1478 LONG. 341°

29.1 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

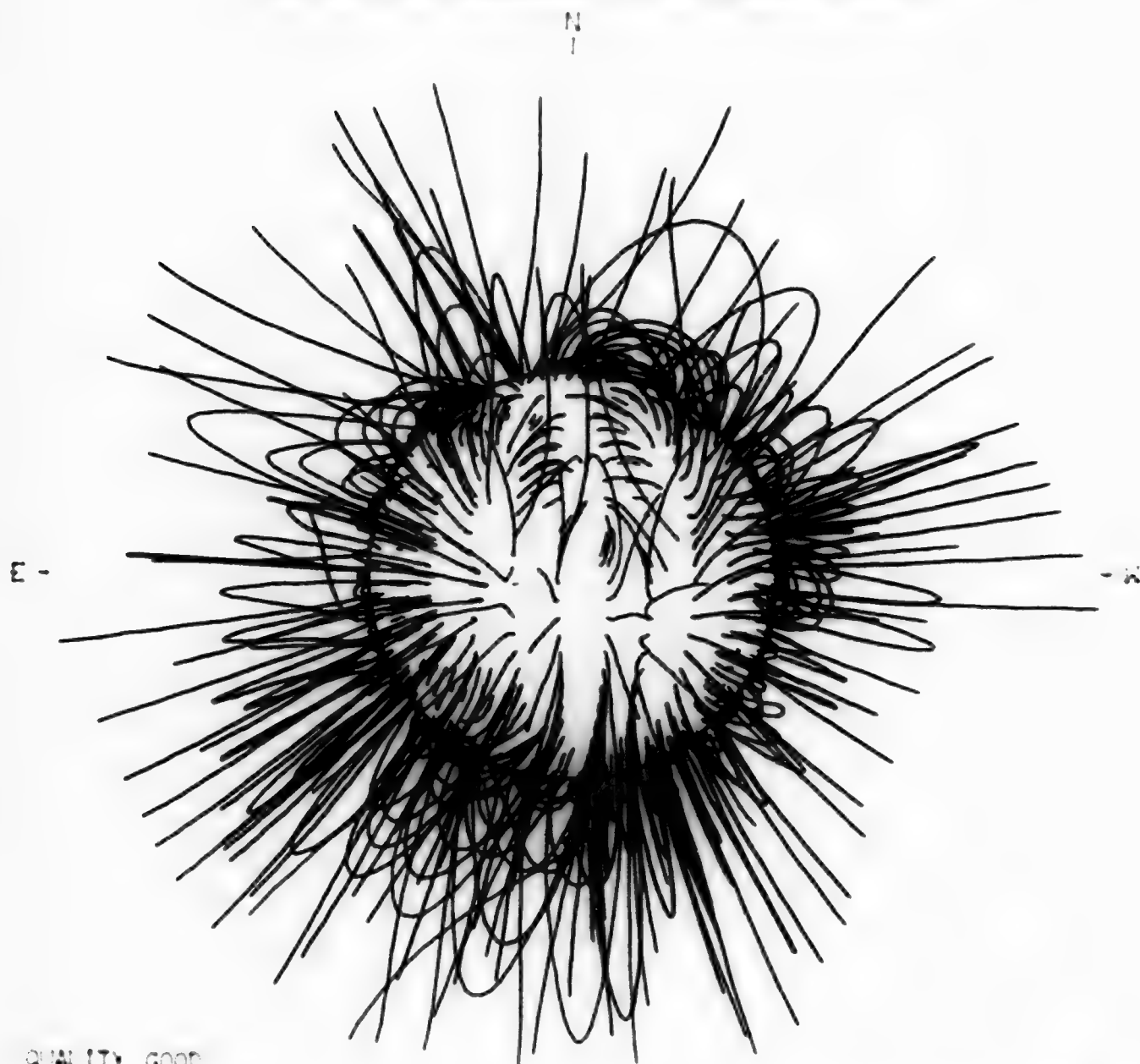
DATA WINDOW 1477.47

1
S

ROT. 1478 LONG. 340°

29.1 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1477.47

S

ROT. 1278 LONG. 330°

29.9 FEB 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1477.47

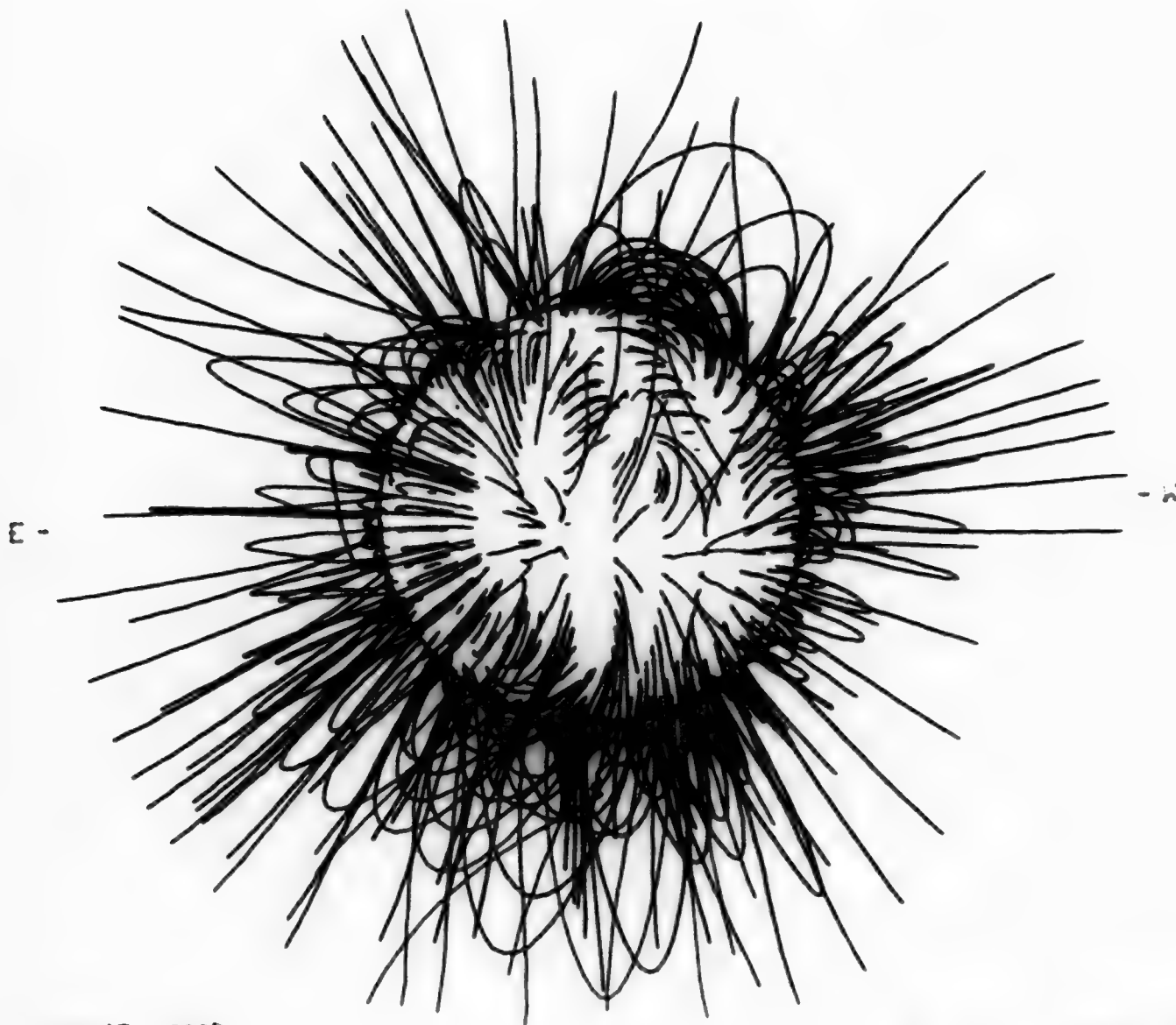
N
S

ROT. 1478 LONG. 550°

29.9 FEB 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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QUALITY GOOD

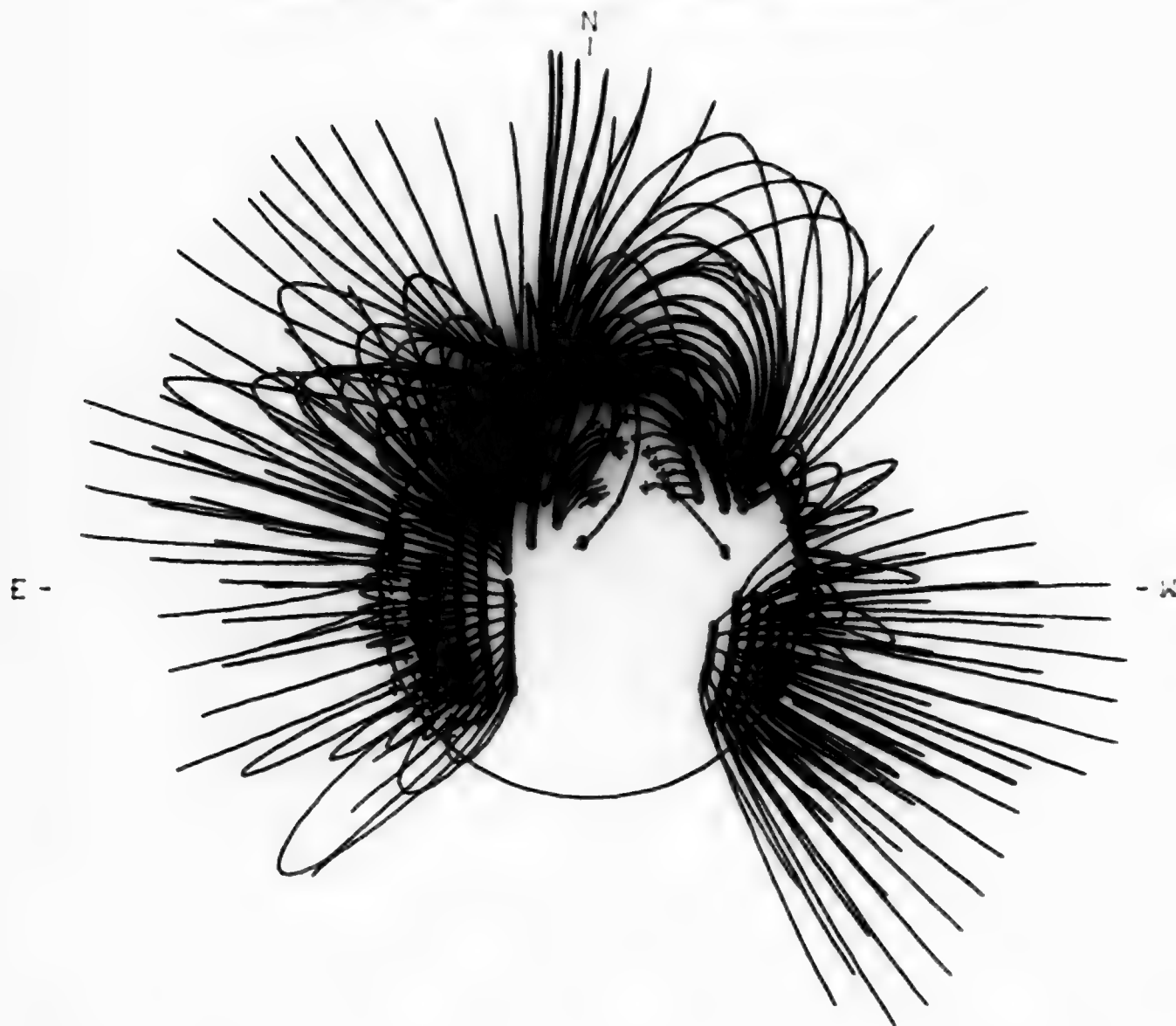
POLES AVERAGED

DATA WINDOW 1477.47

|
S

ROT. 1278 1210. 321°
1.5 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1477.47

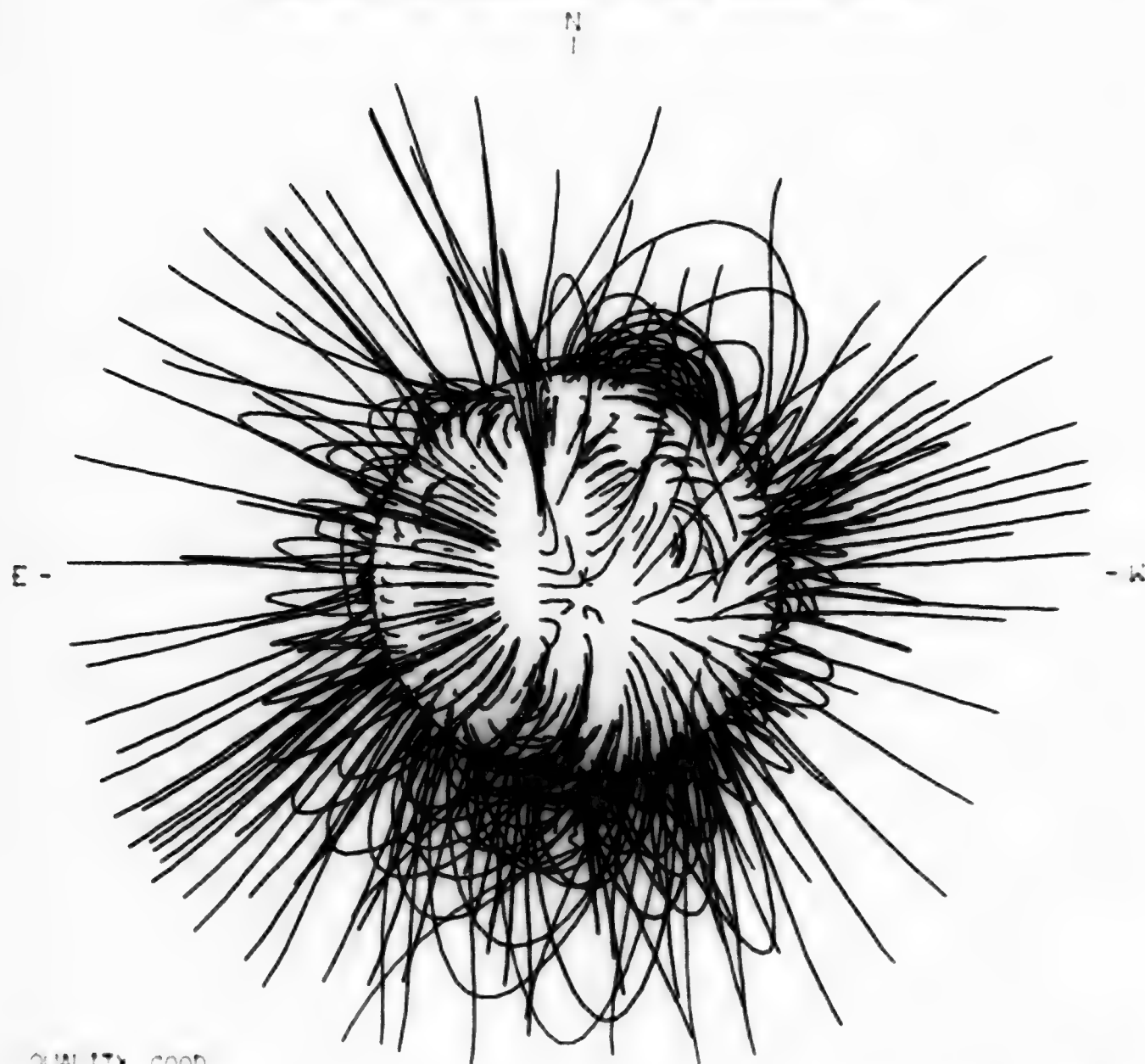
!
S

ROT. 1478

LONG. 301°

1.6 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

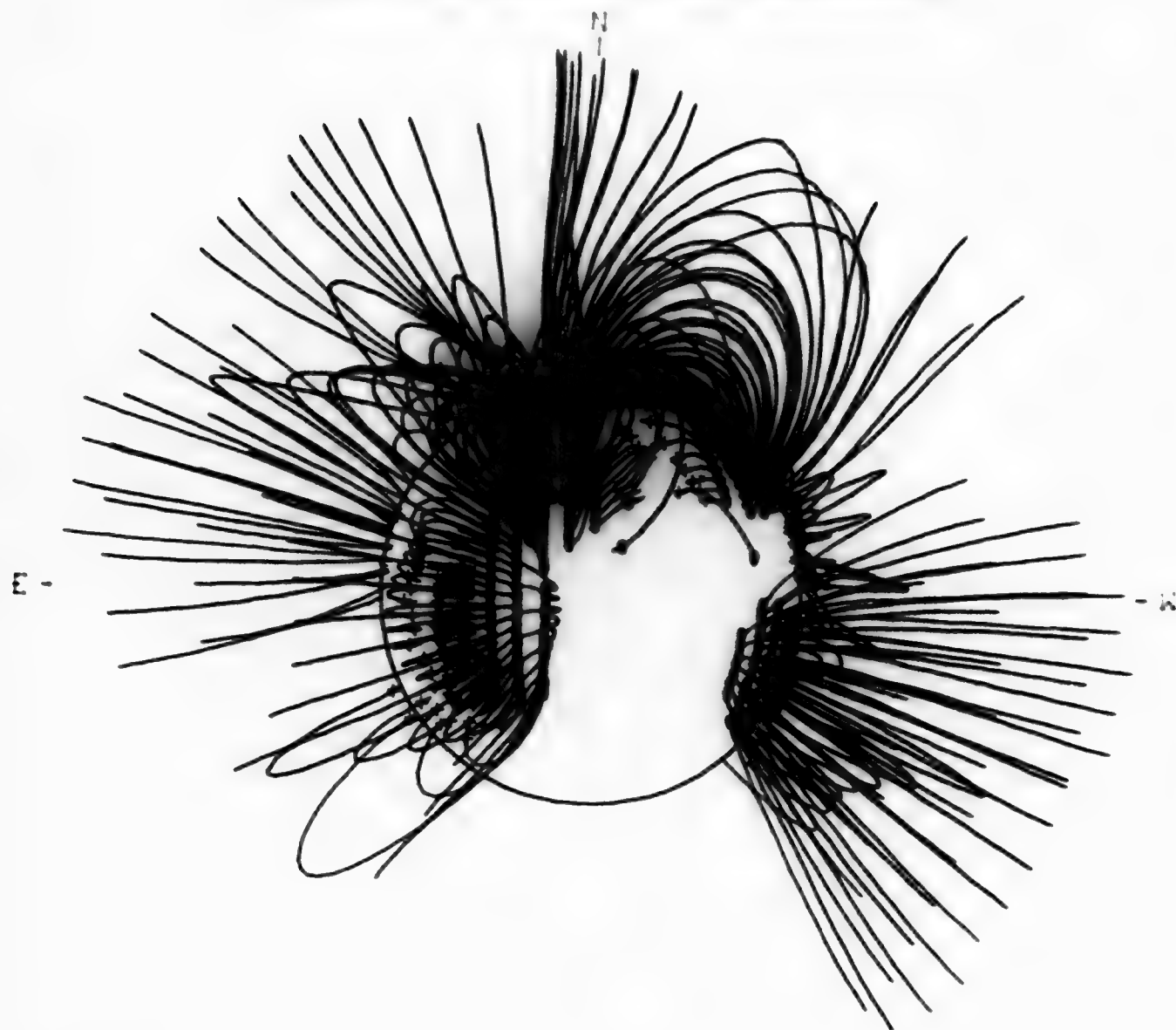
DATA WINDOW 1.377,47

S

ROT. 1478 LONG. 51.0°

2.4 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

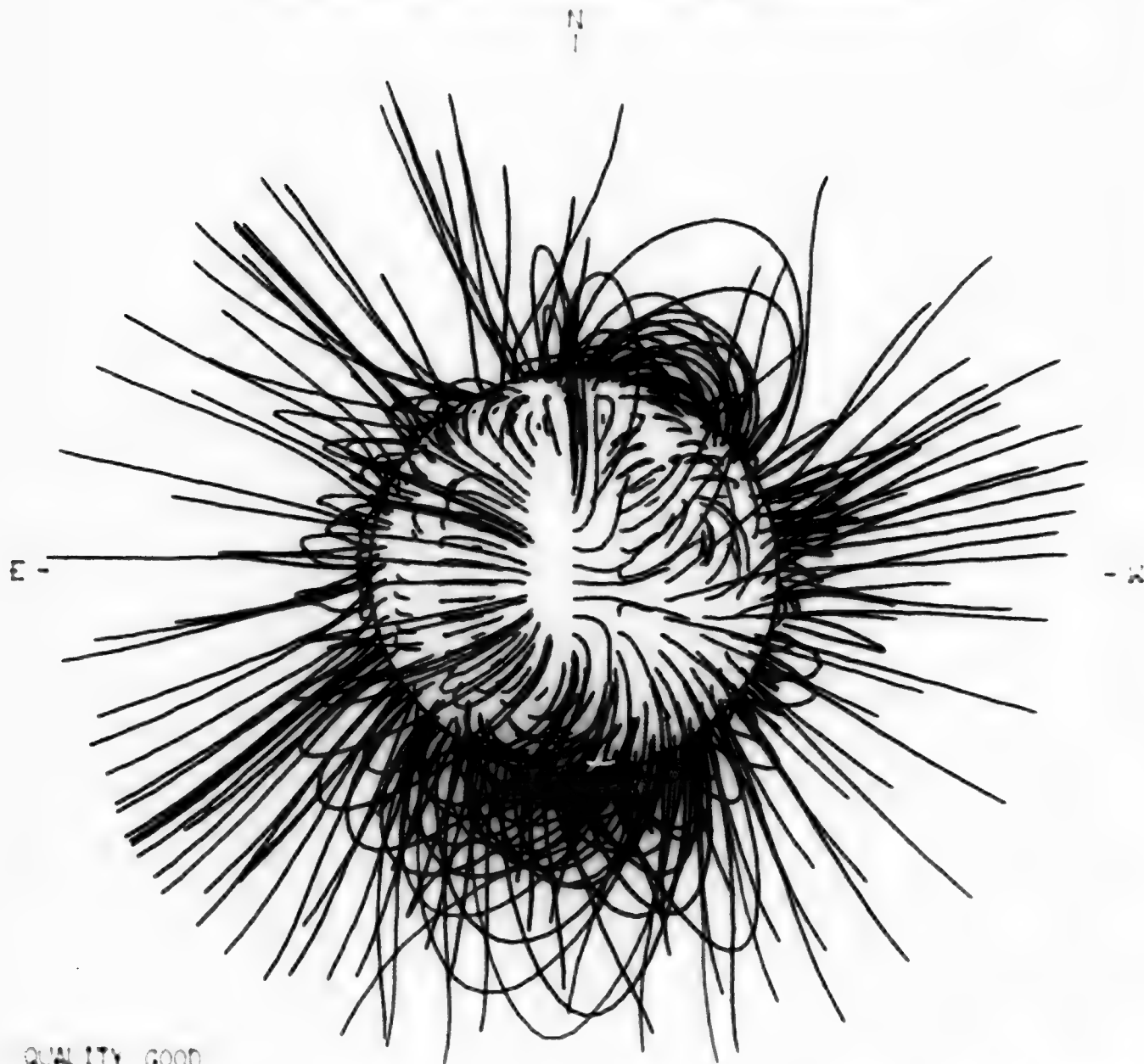
DATA WINDOW 1477.47

S

ROT. 1478 LONG. 51.0°

2.4 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

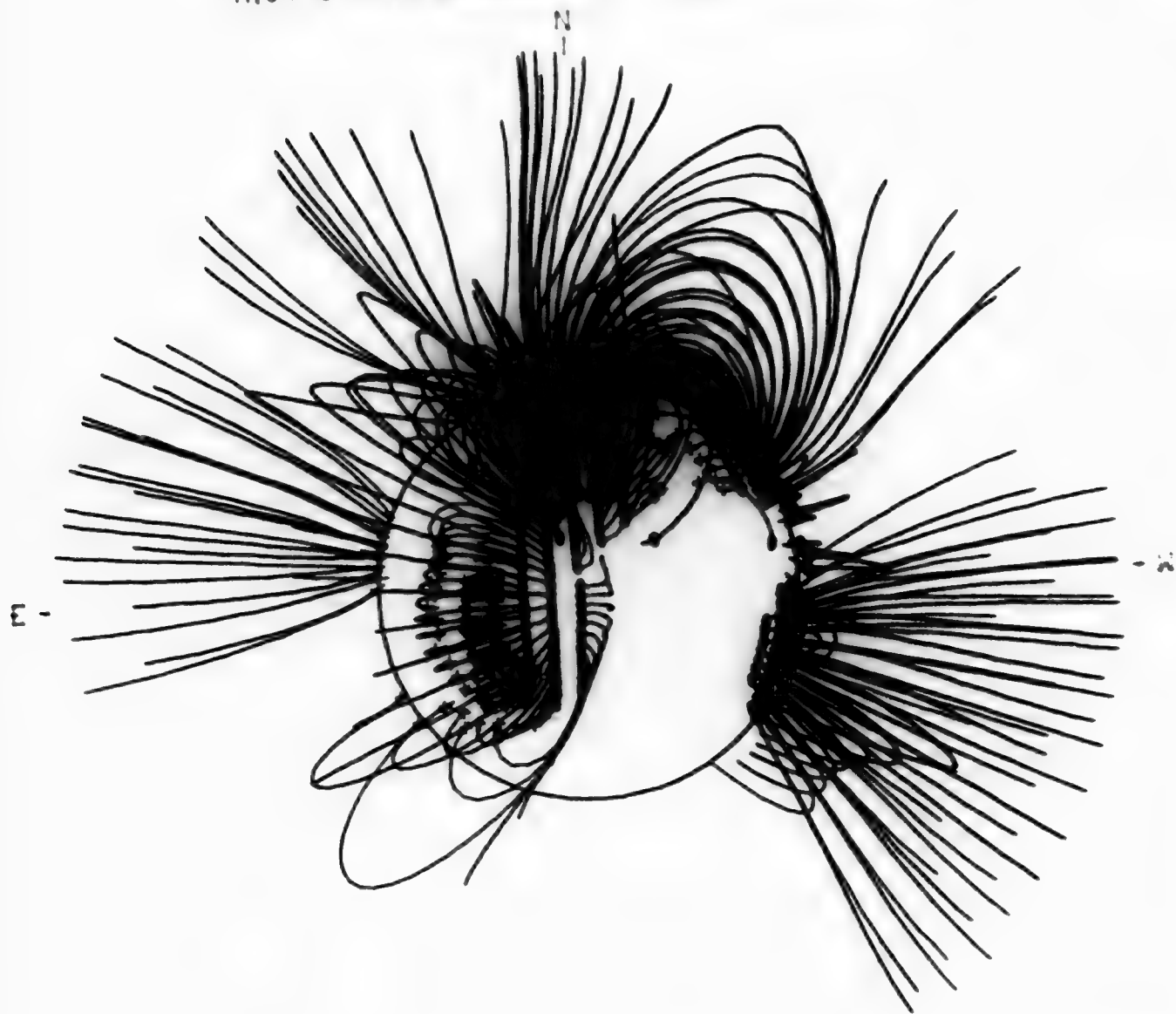
DATA WINDOW 1477.47

I
S

ROT. 1478 LONG. 300°

3.1 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

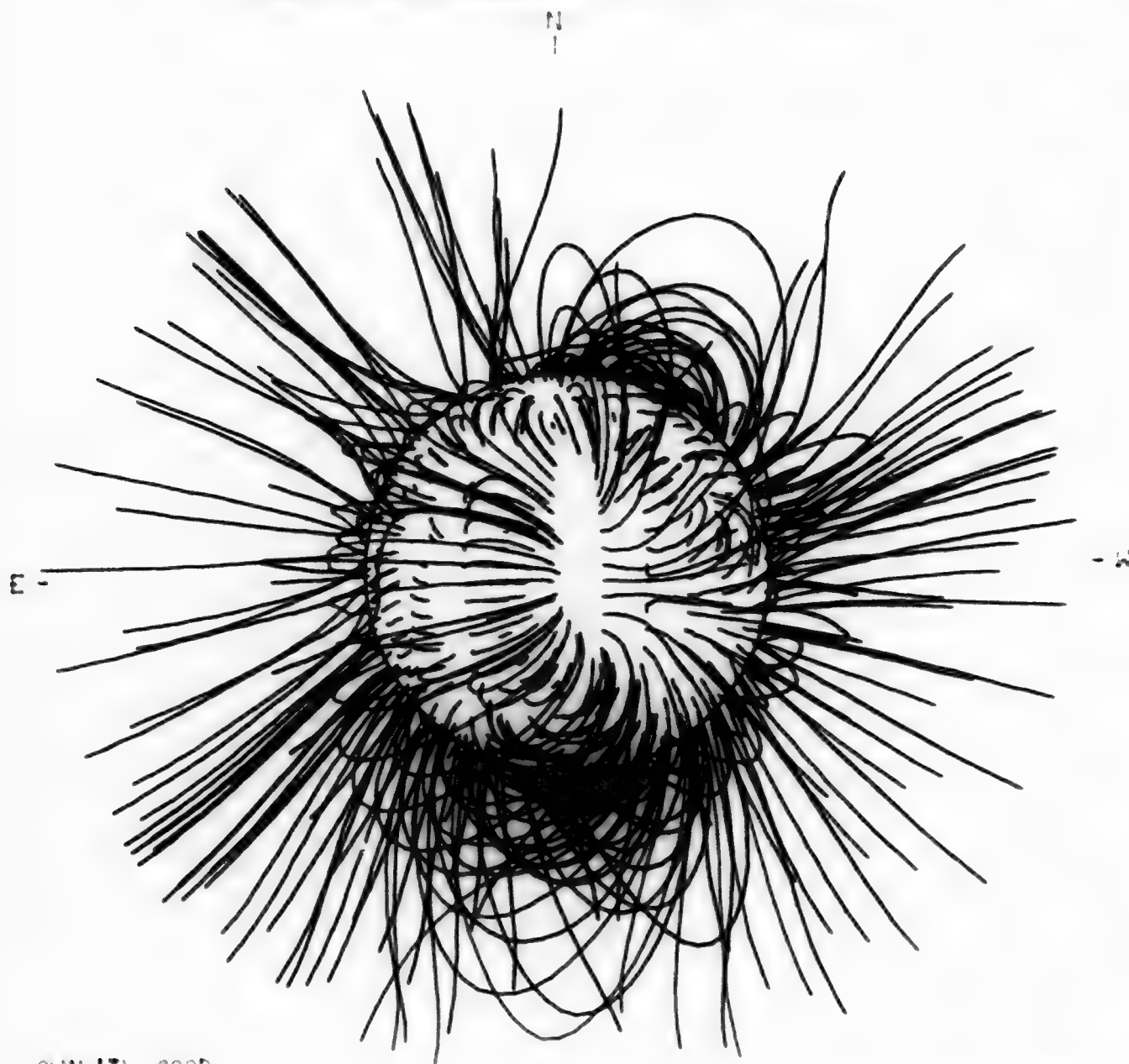


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.47

S

ROT. 1478 LONG. 300°
3.1 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

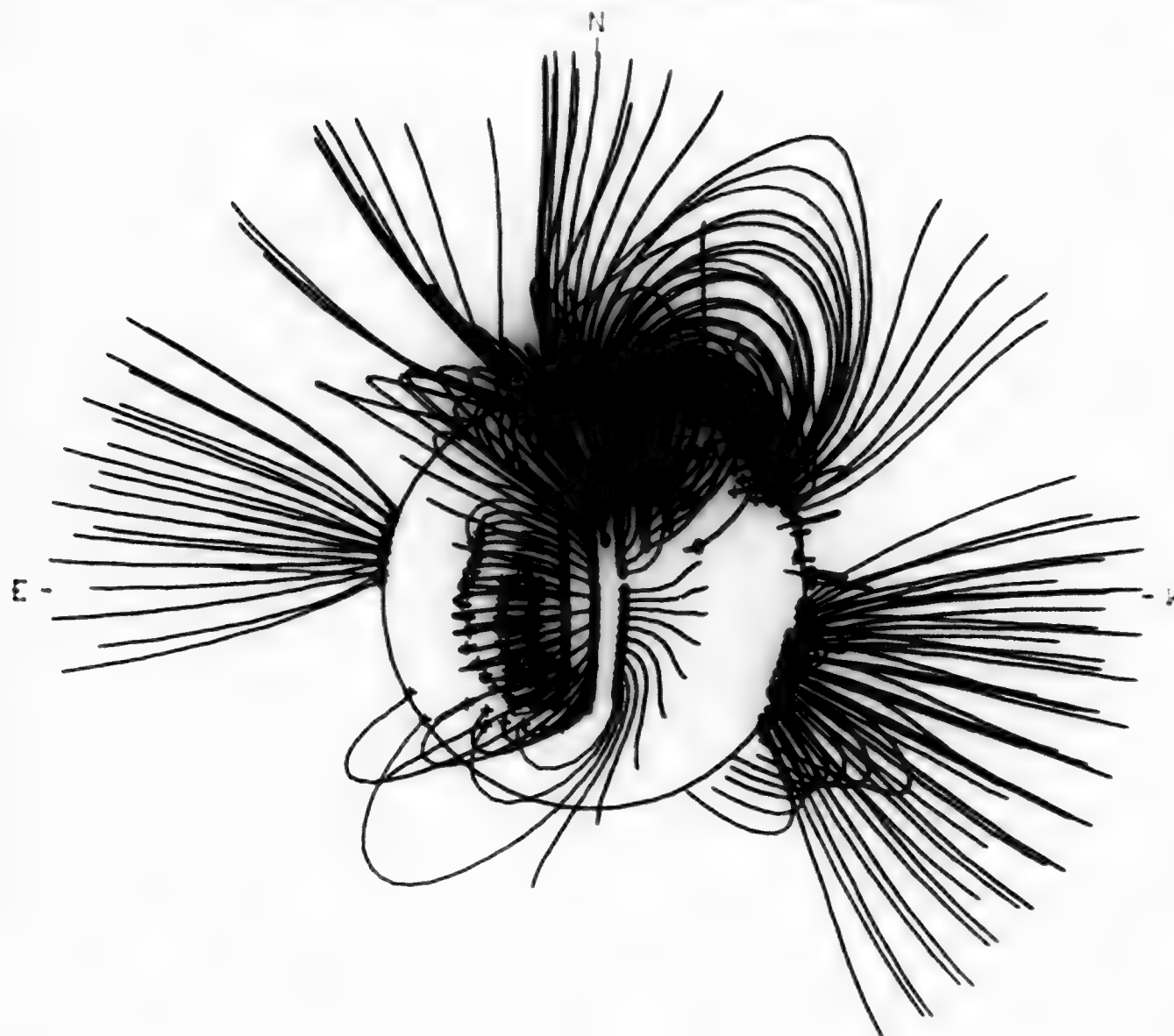
DATA WINDOW 1477.47

S

ROT. 1478 0016.290

3.9 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

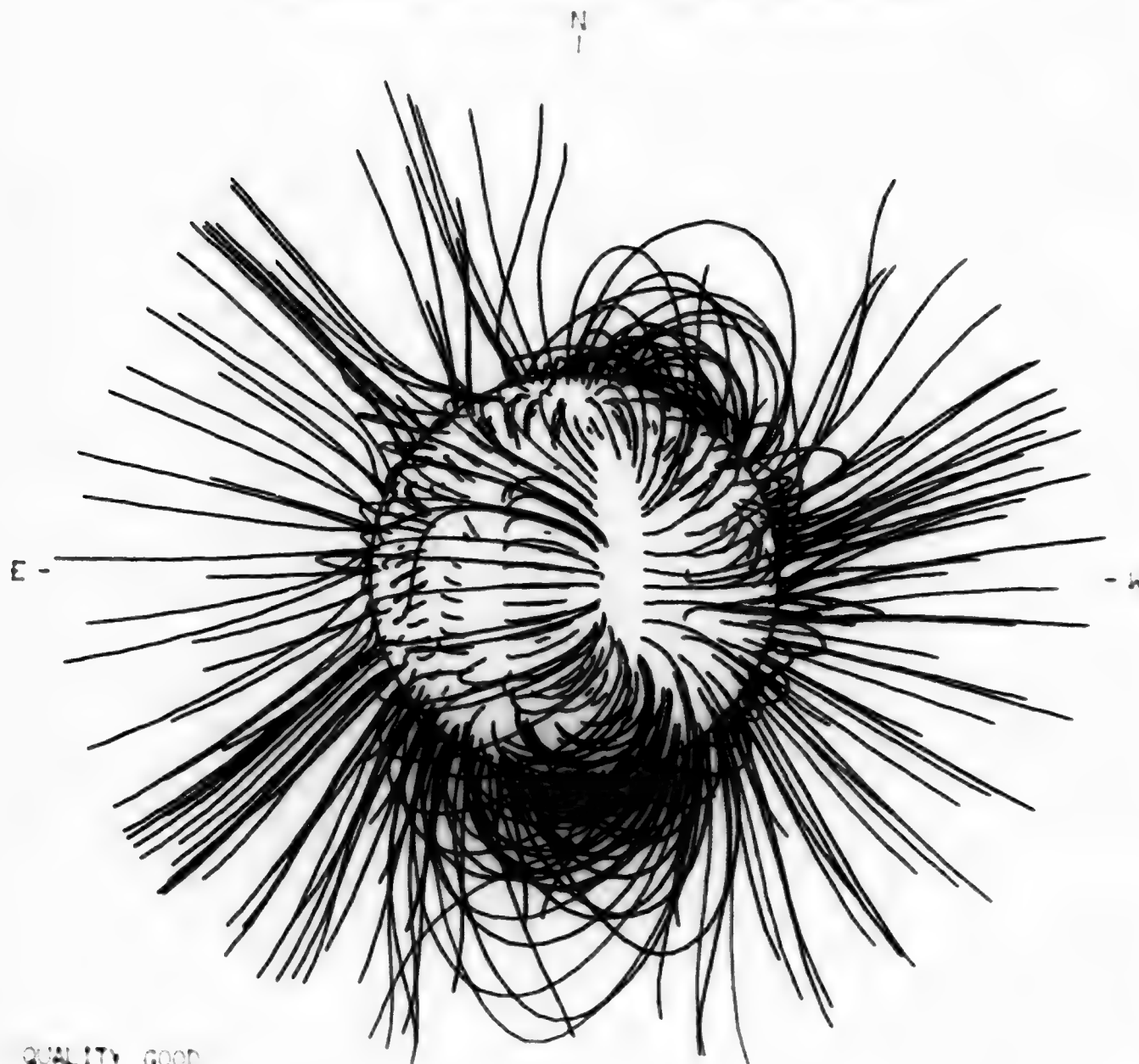
DATA WINDOW 1477. 7

S

ROT. 1478 LONG. 29.0°

3.9 MAR 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

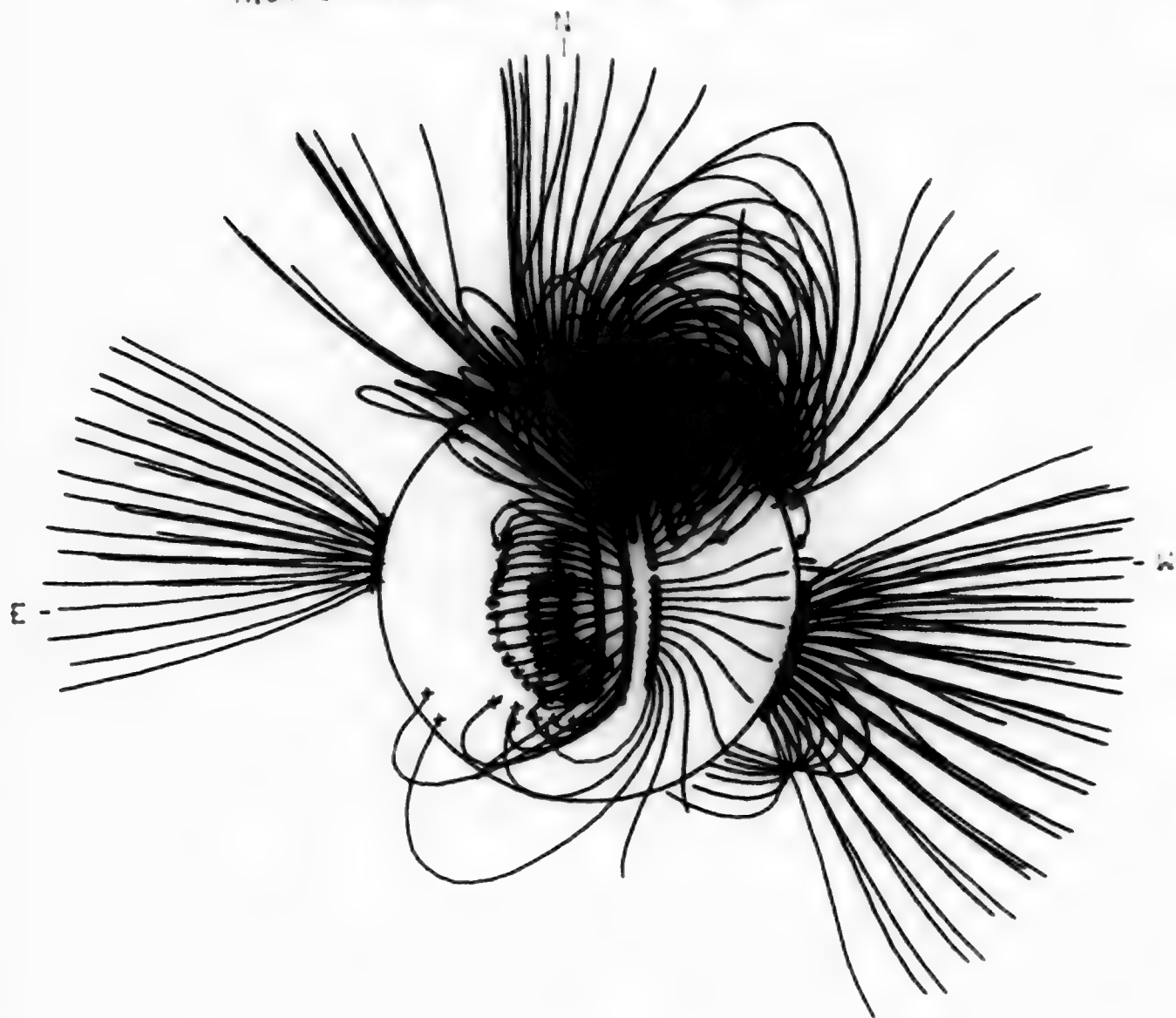
DATA WINDOW 1477.47

S

ROT. 1478 LONG. 281°

4.6 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

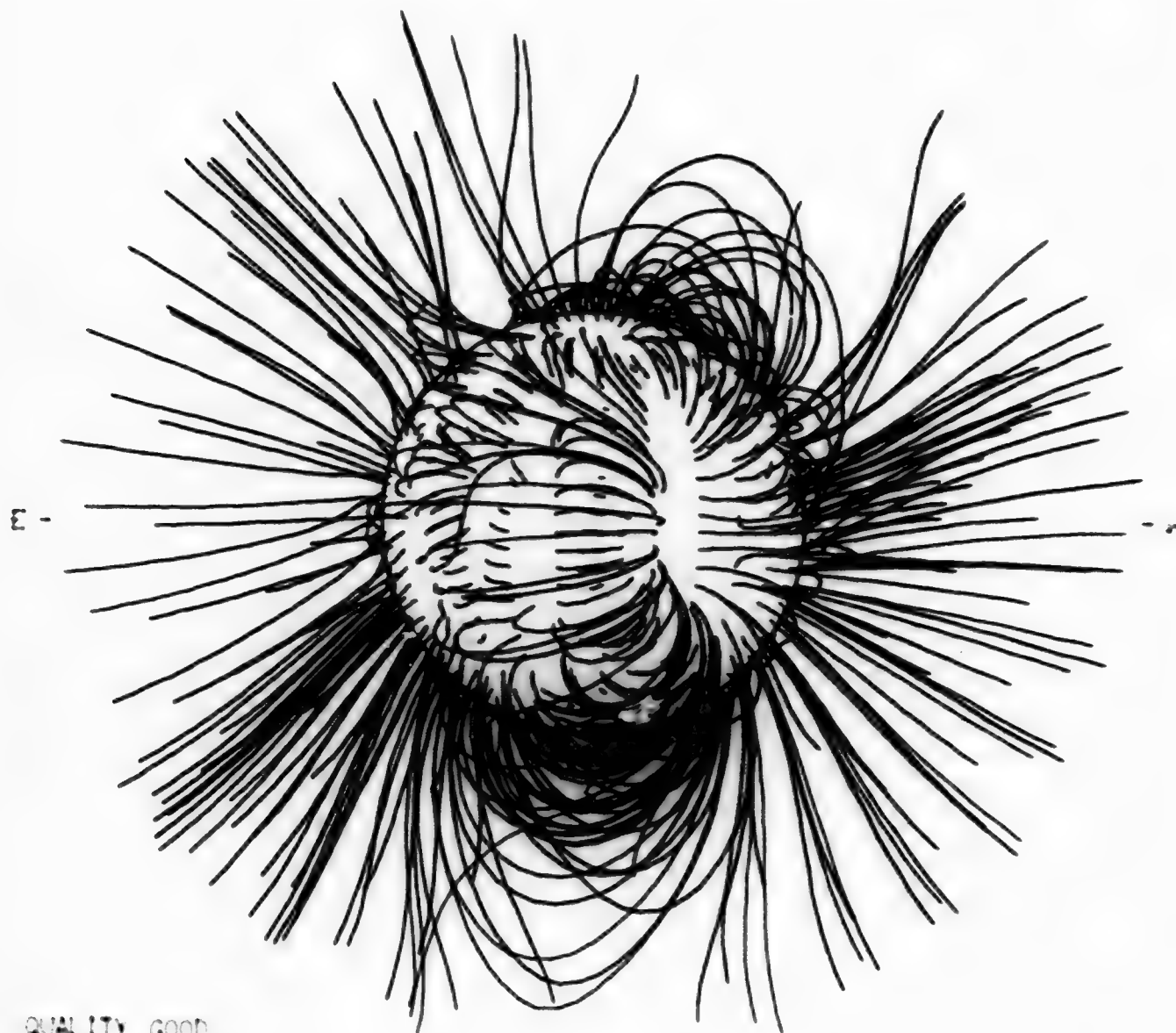


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.47

S

ROT. 1478 LONG. 281°
4.6 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

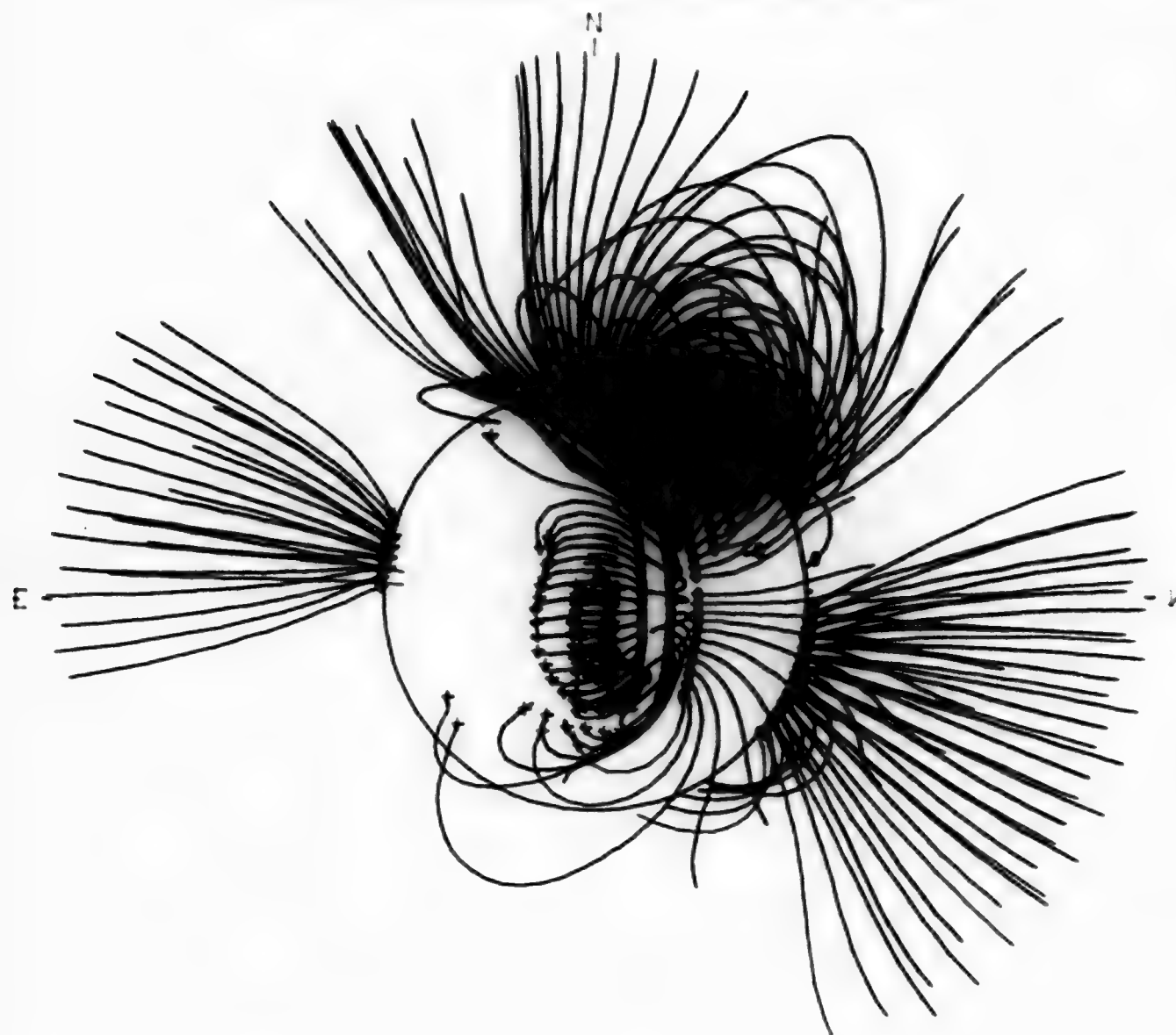
DATA WINDOW 1477.47

1
S

ROT. 1478 LONG. 270°

5.4 MAP 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

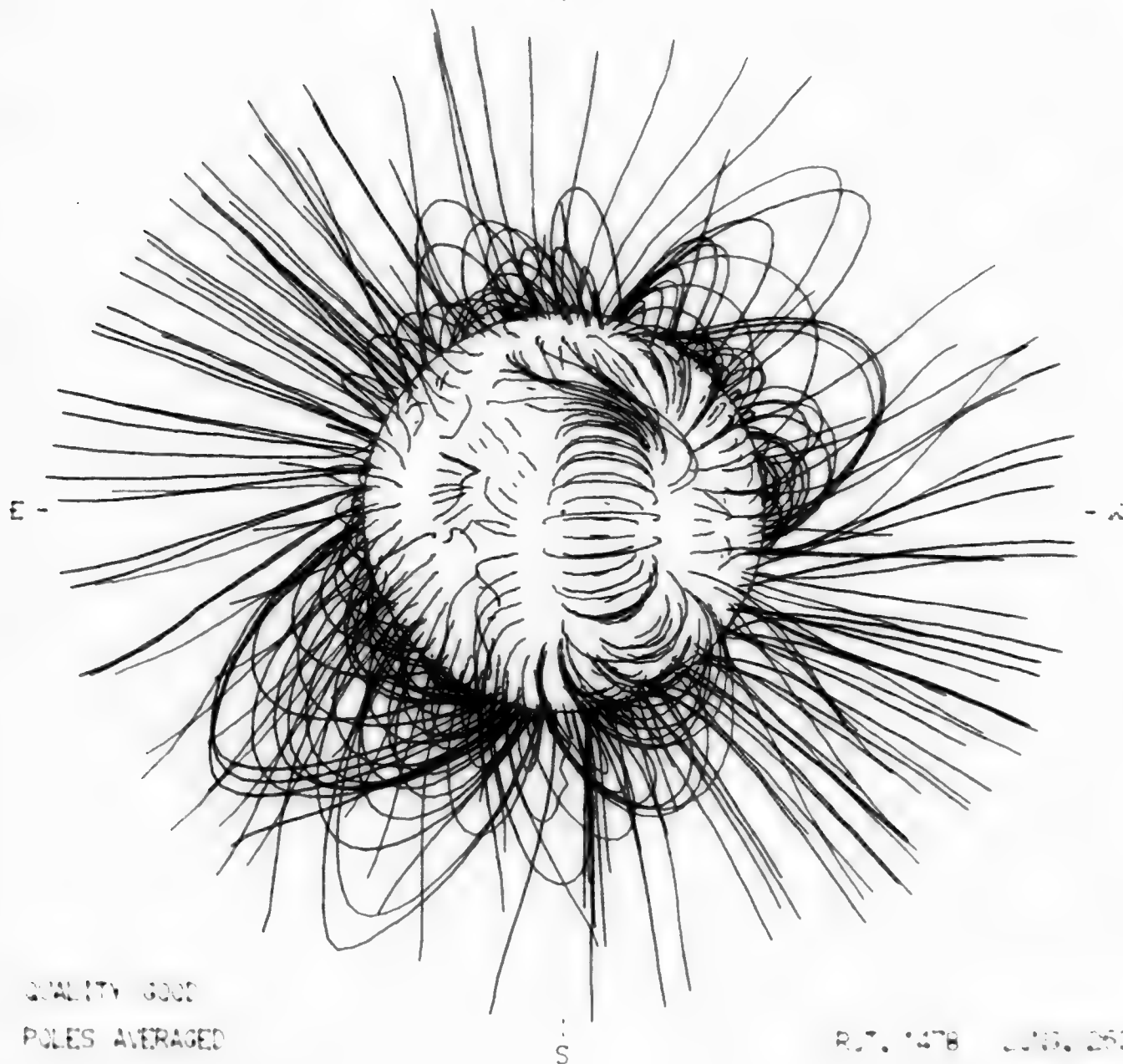


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1477.47

I
S

ROT. 1478 CONP. 271
5.4 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



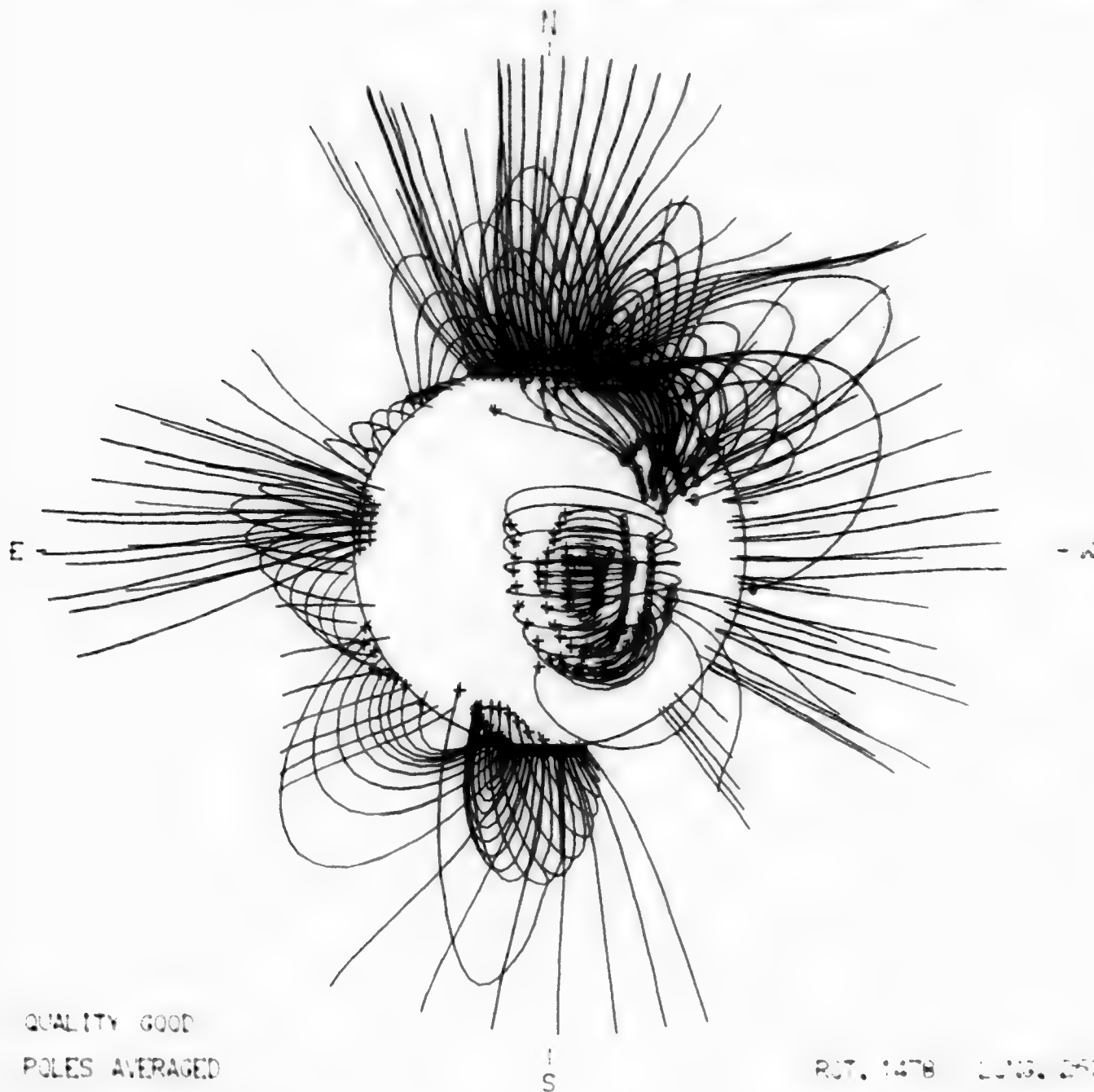
QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1478.00

R.T. 1478 JUN. 251°
6.2 1478 1478

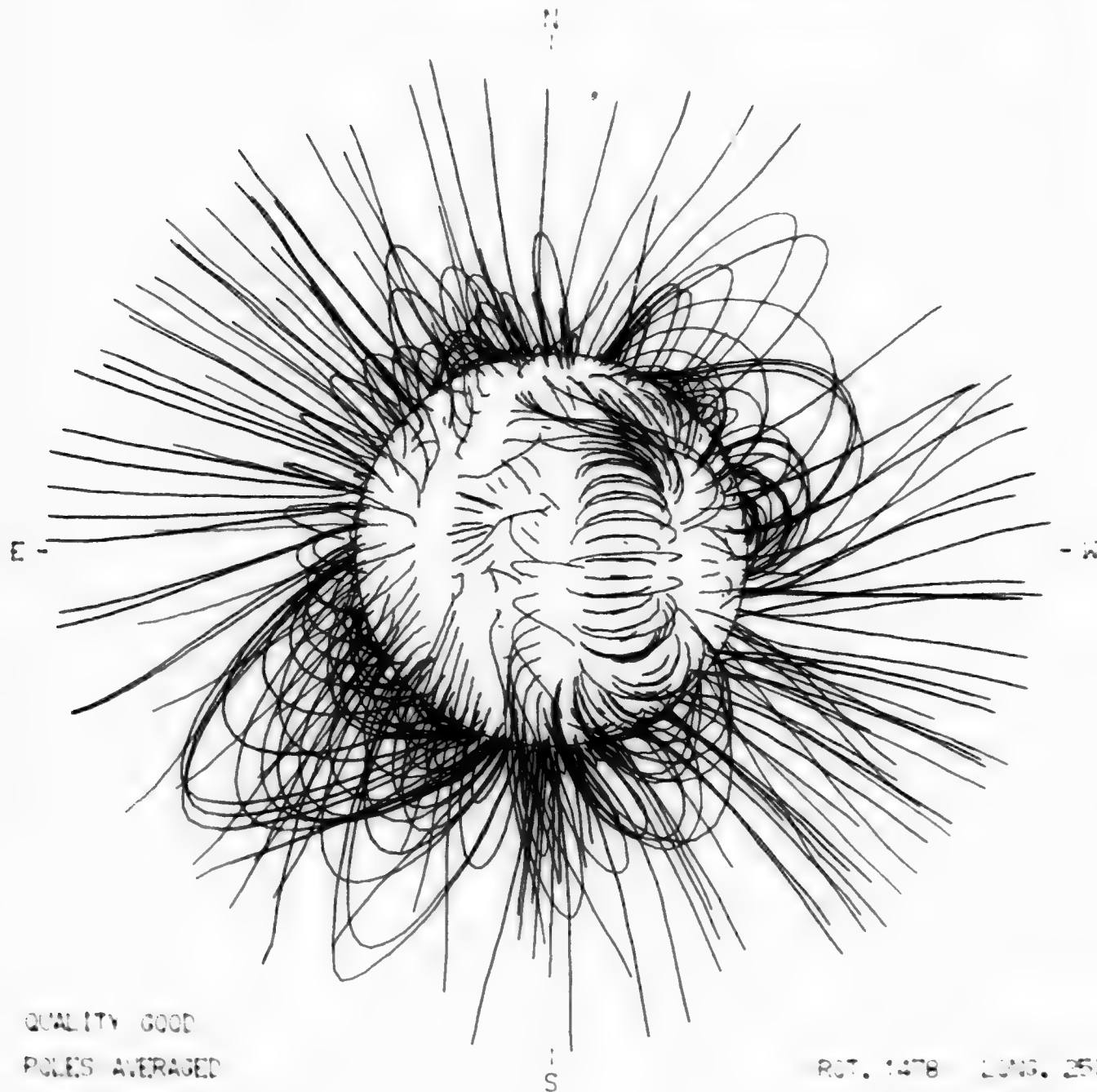
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1478.00

ROT. 1478 LONG. 250°
 6.2 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

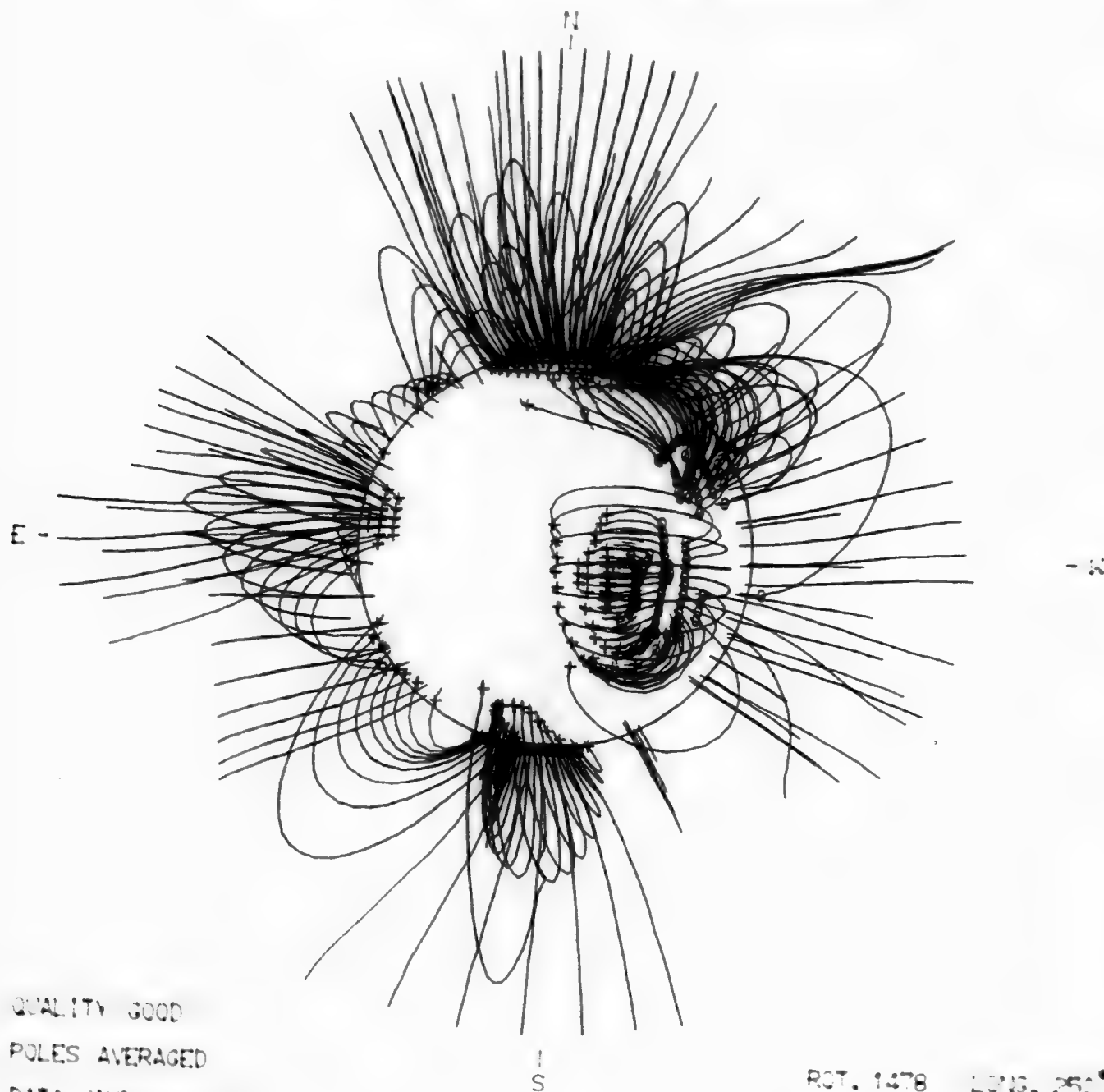
POLES AVERAGED

DATA WINDOW 1478.00

ROT. 1478 LONG. 250°

6.9 MAR 1962

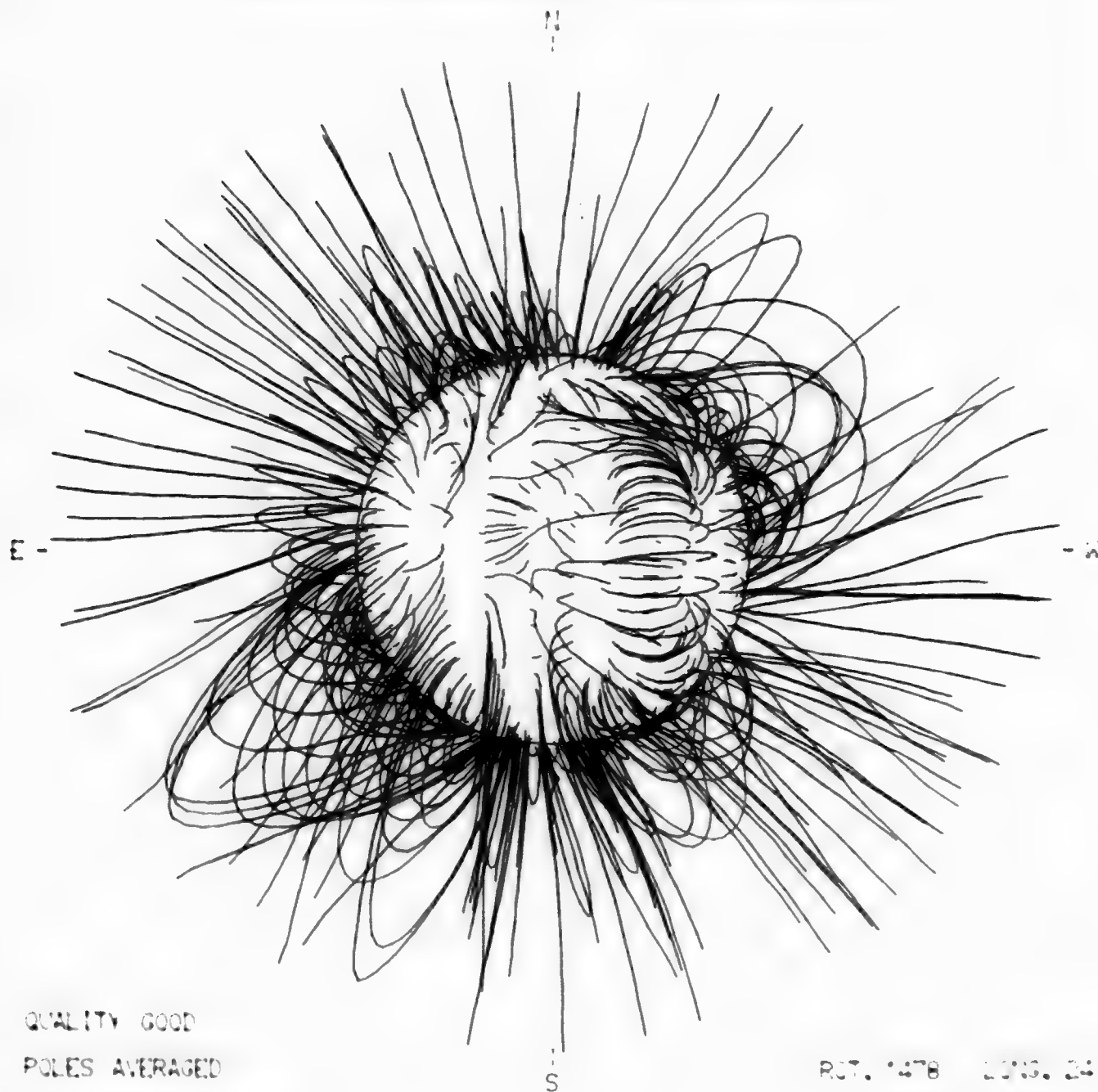
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 250°
6.9 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

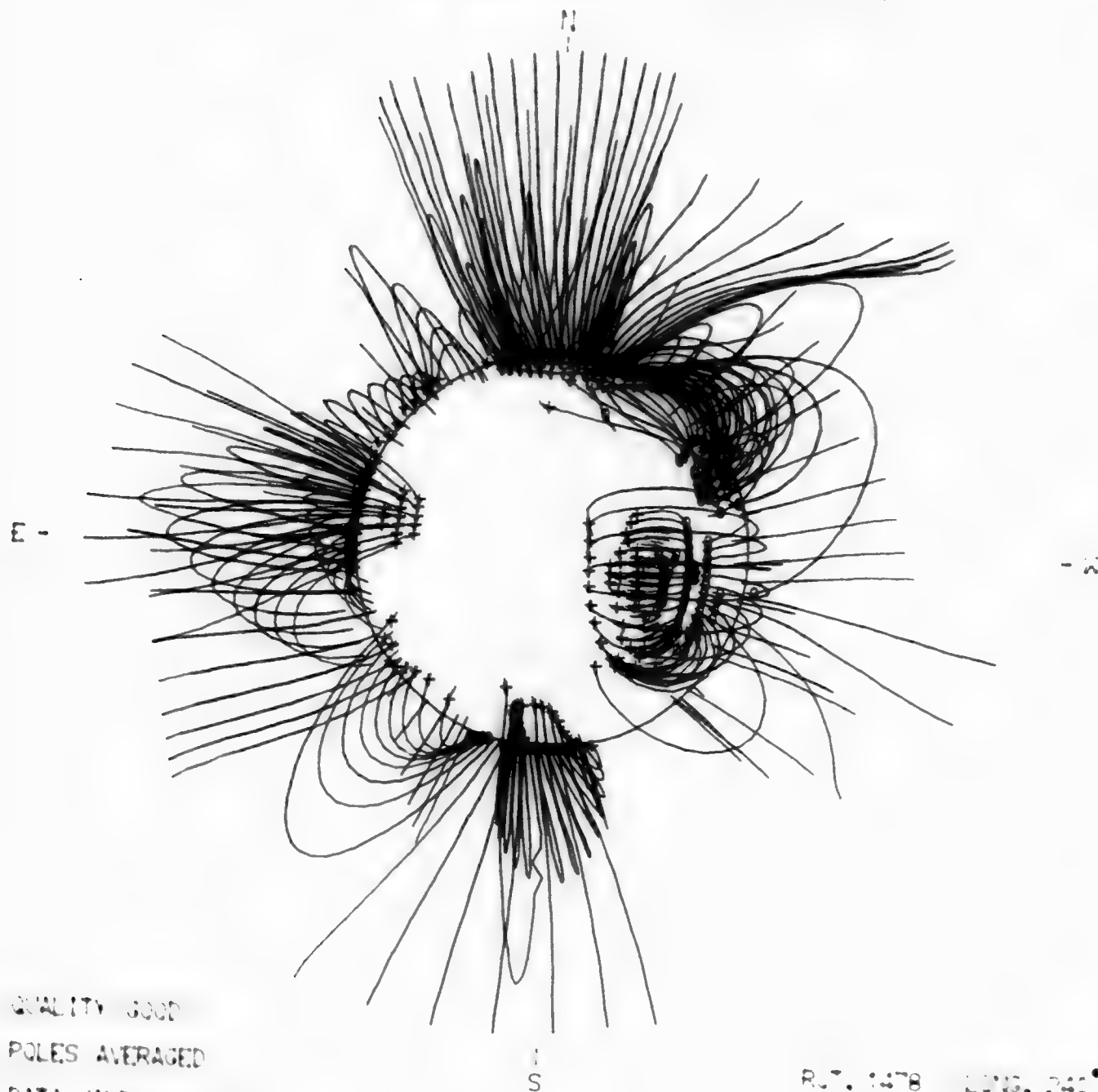
POLES AVERAGED

DATA WINDOW 1478.00

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7.7 MAR 1962

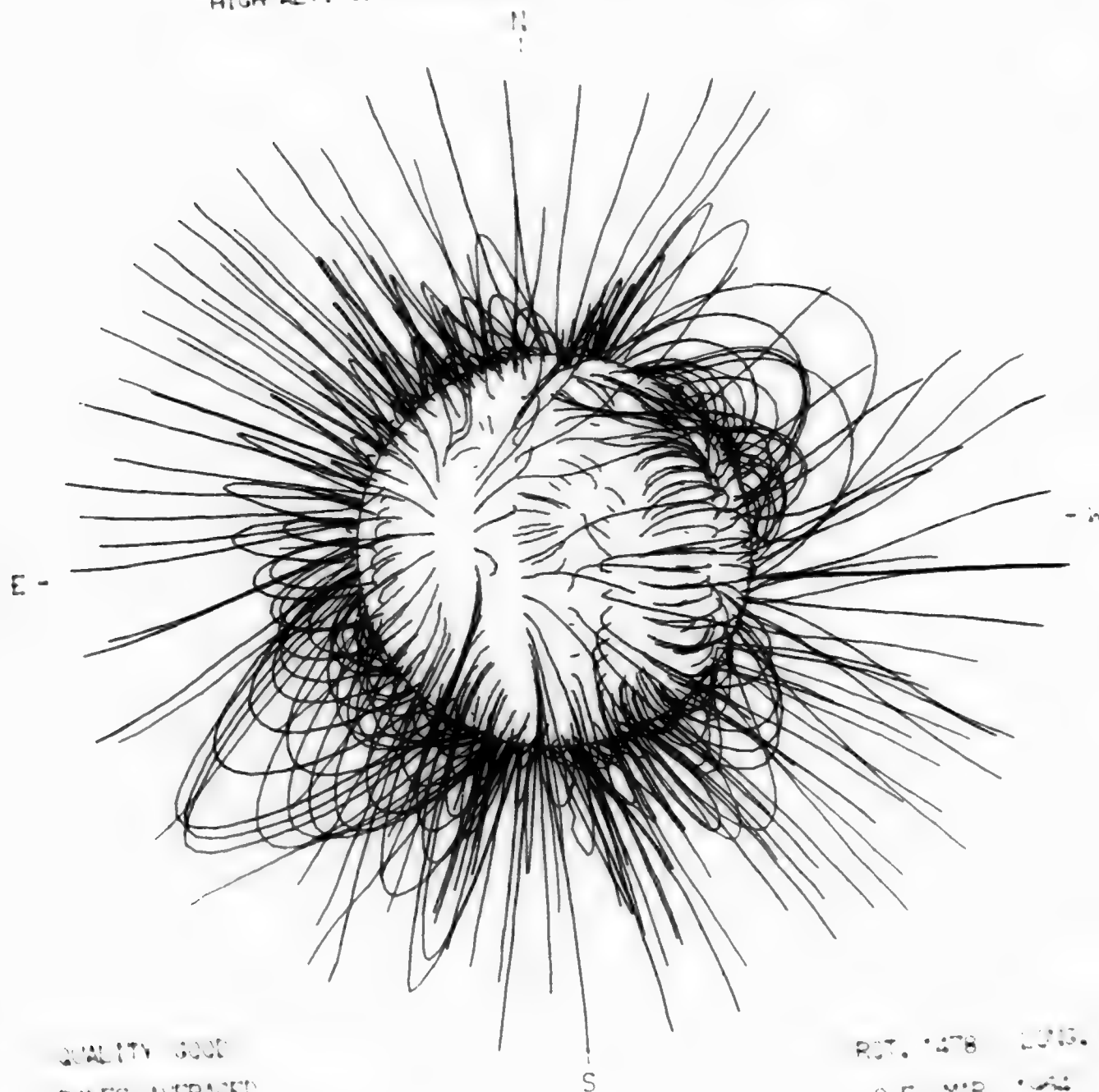
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1478.00

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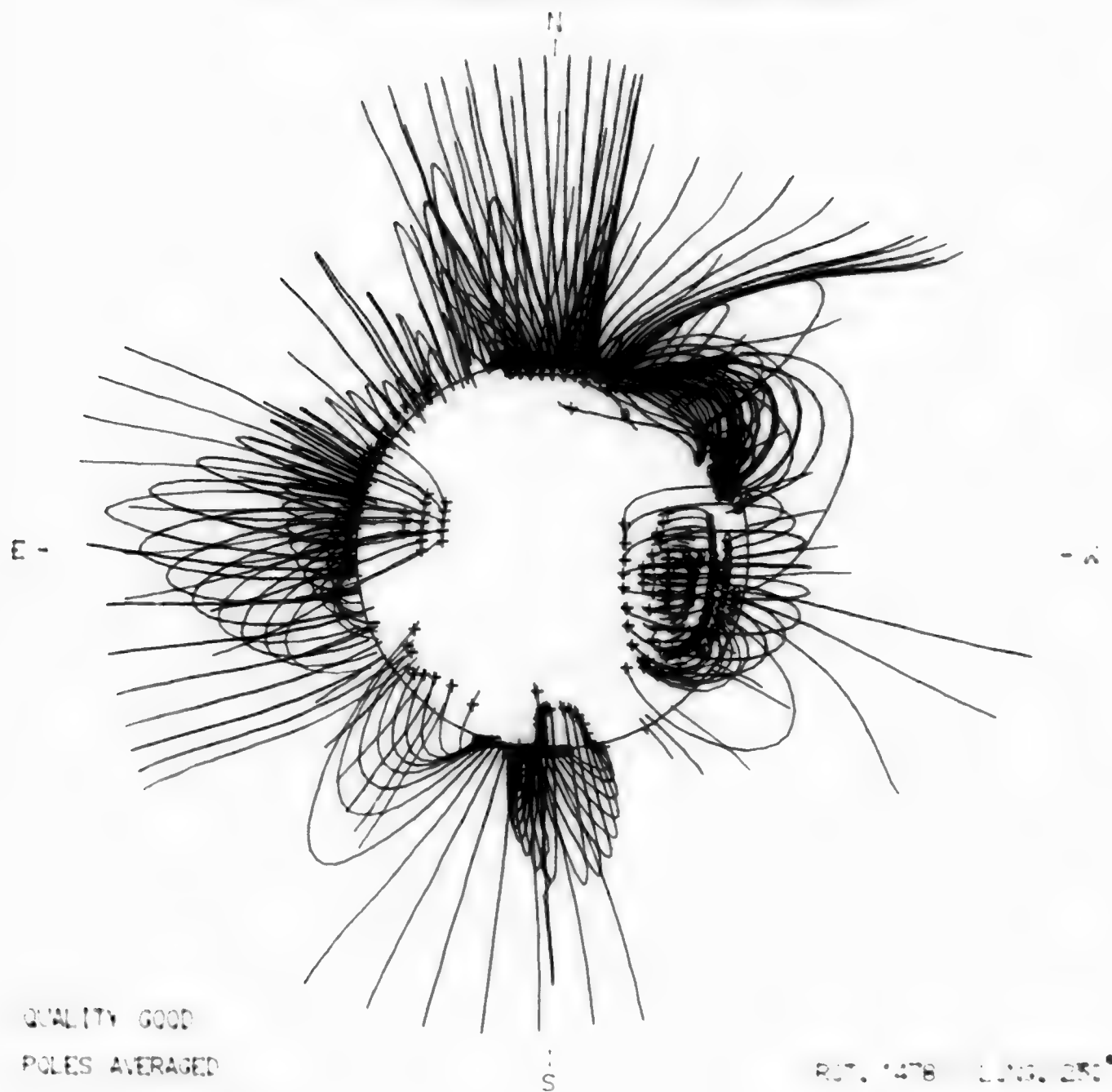
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 2013.250°
8.5 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

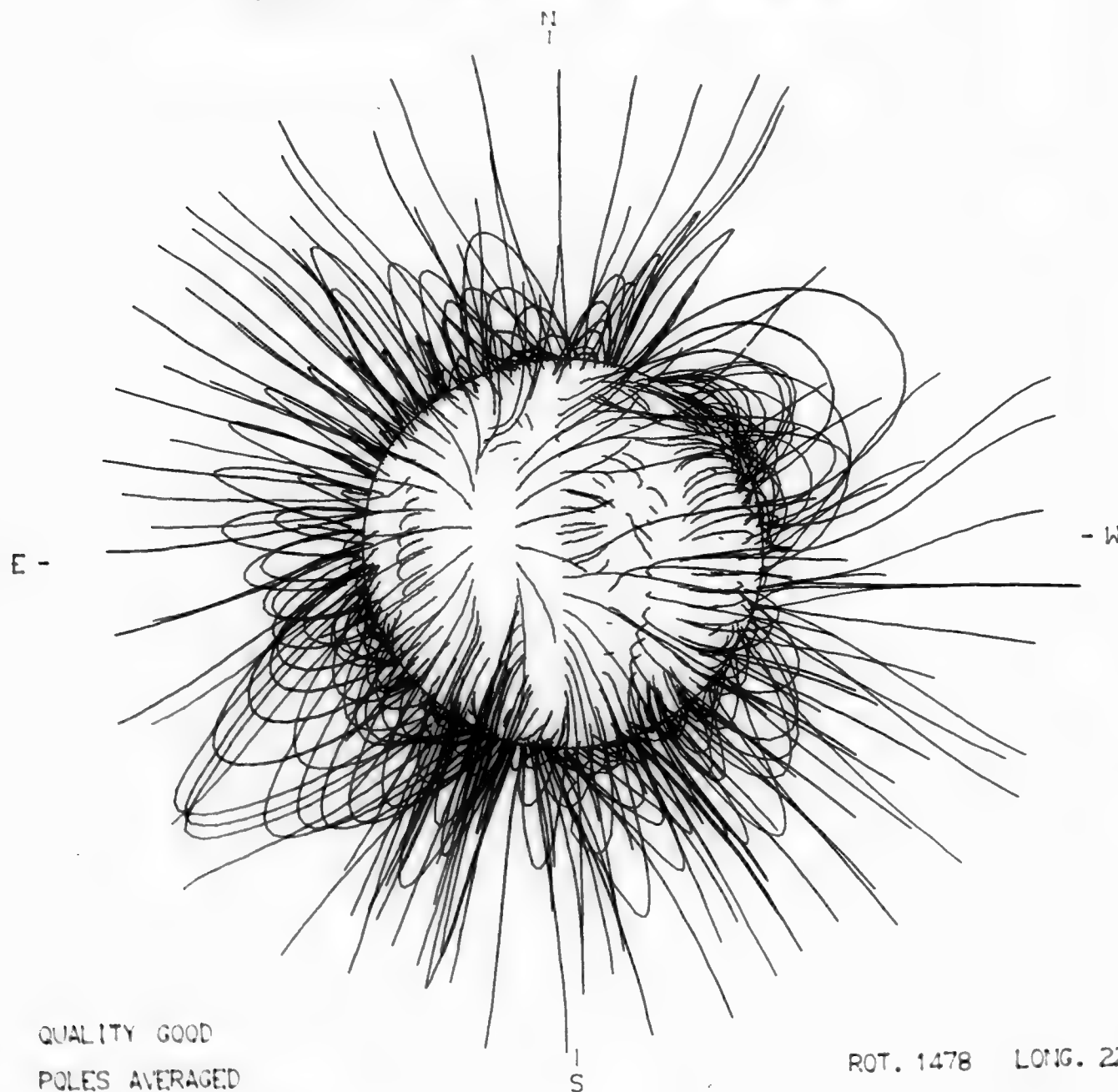
POLES AVERAGED

DATA WINDOW 1478.00

ROT. 1478 LONG. 250°

8.5 MAR 1962

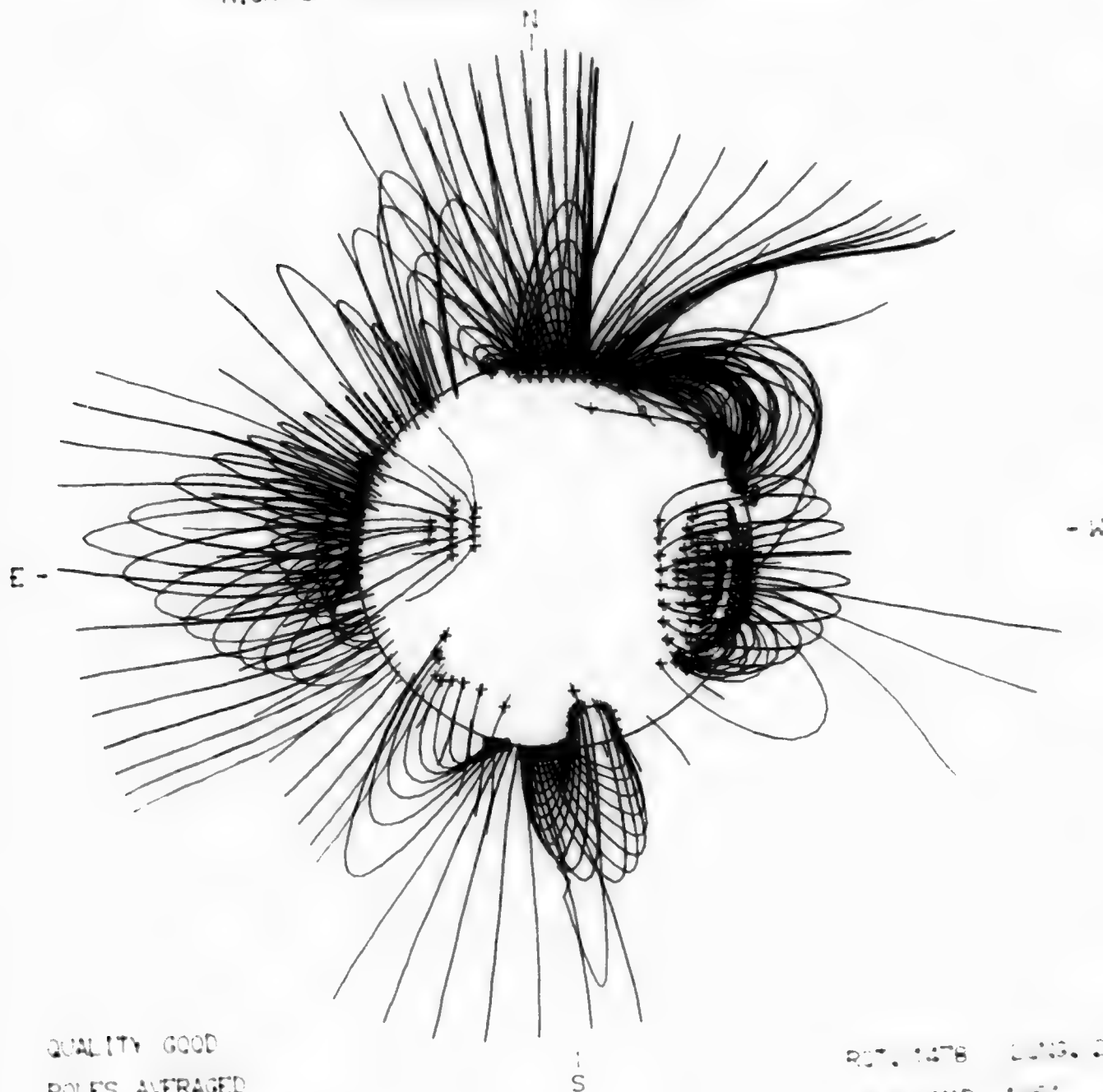
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 220°
9.2 MAR 1964

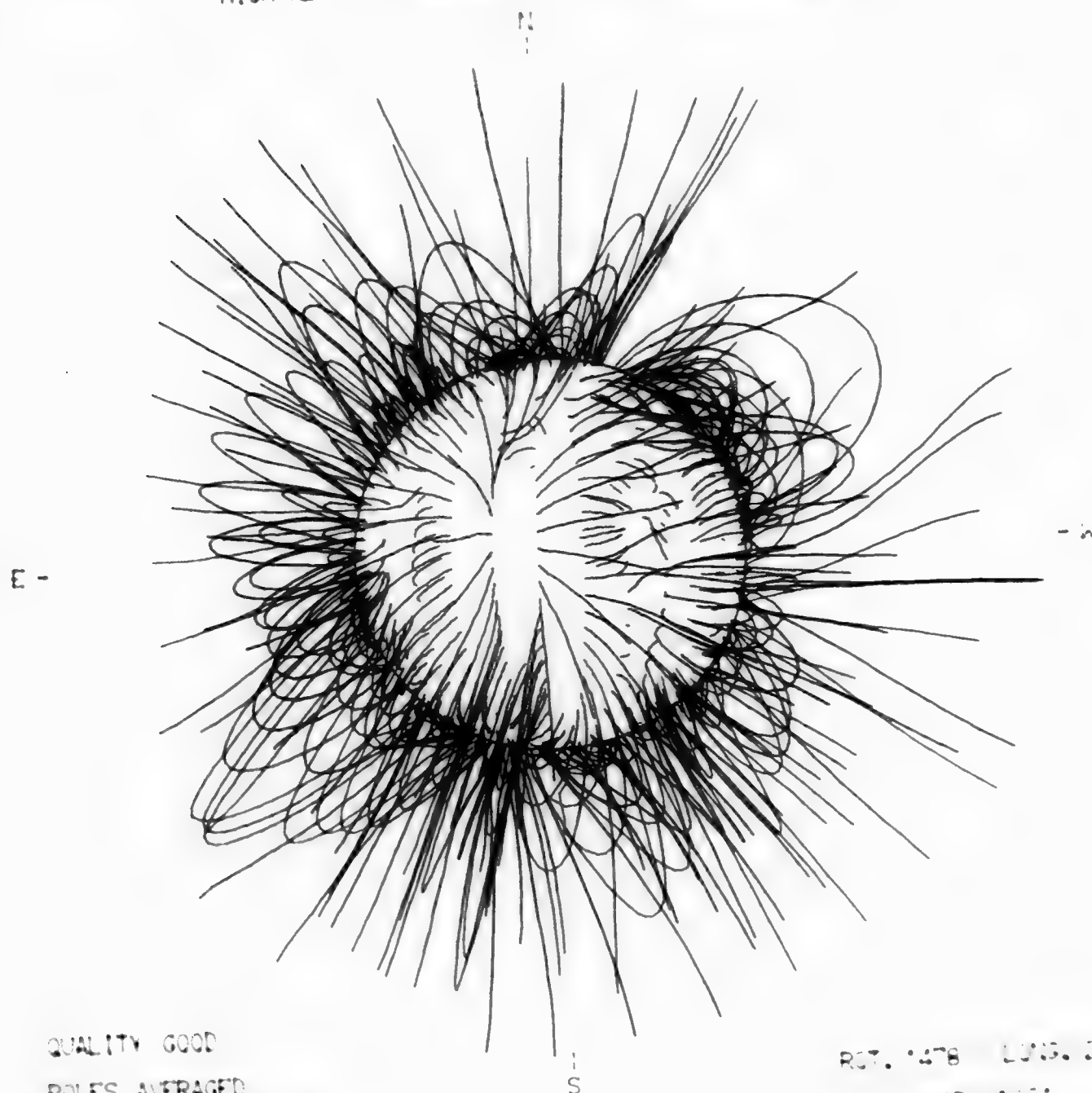
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 221°
9.2 YAP 1991

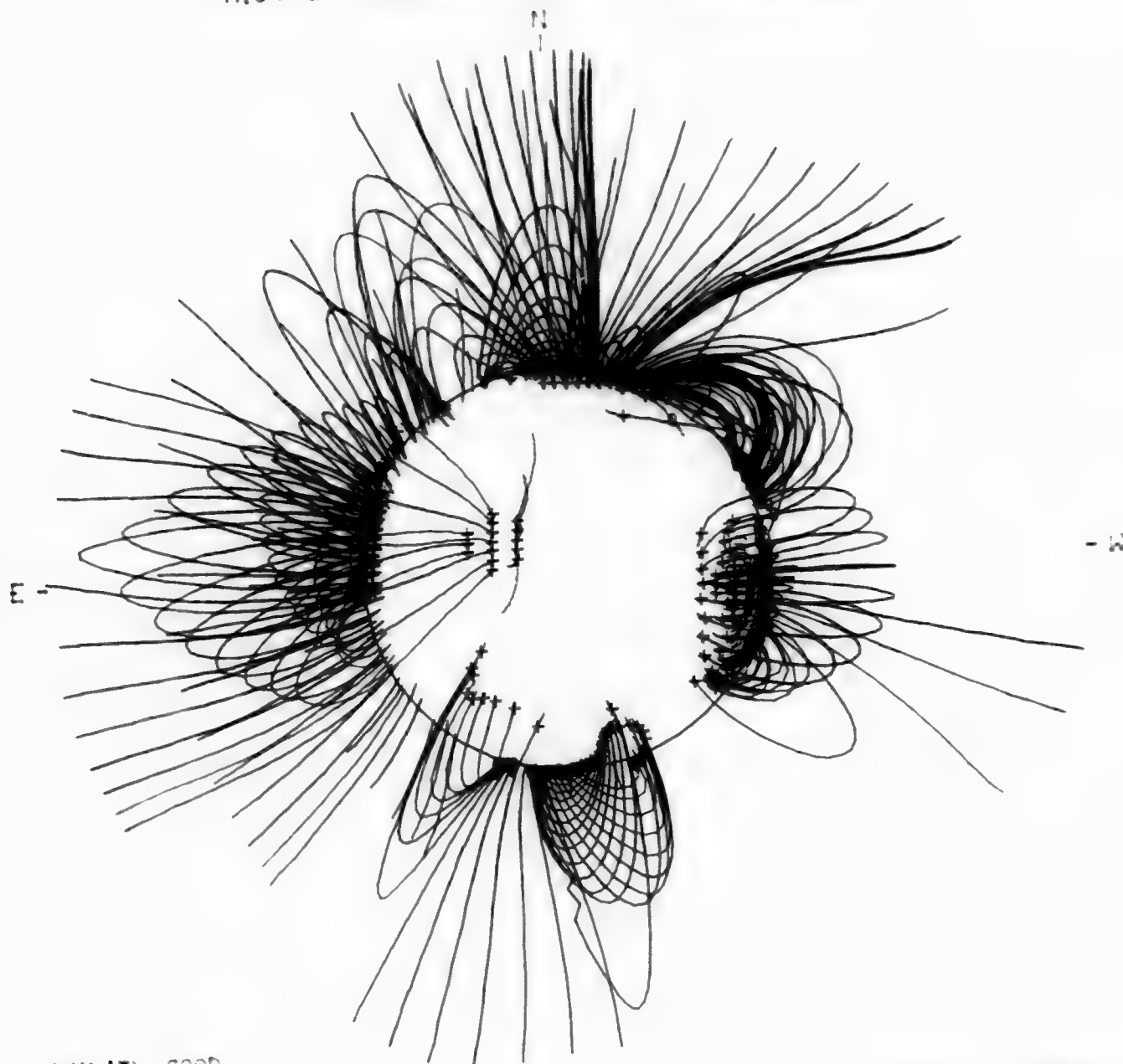
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 21.1°
10.0 MAR 1964

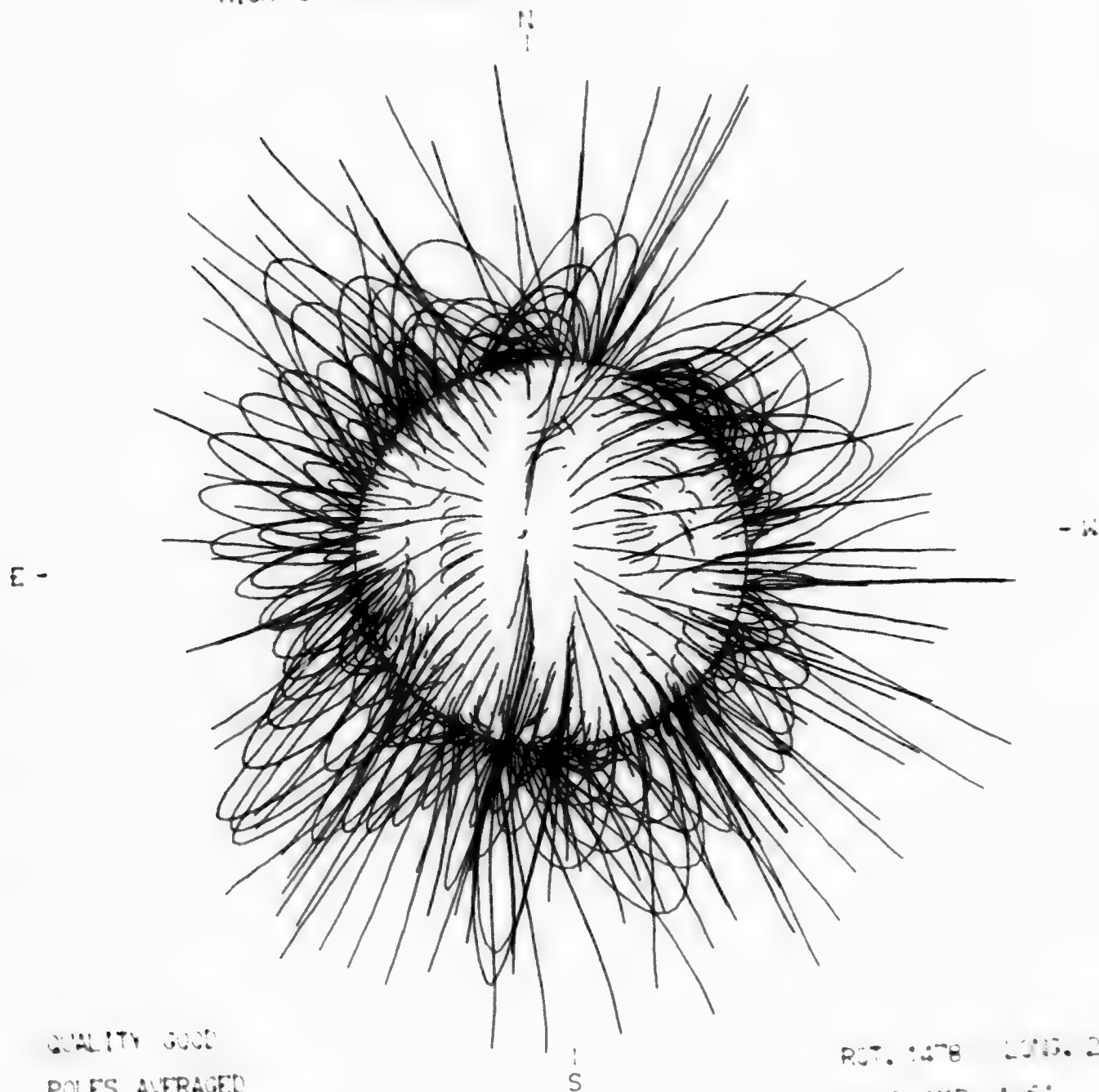
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.478.00

RCT. 1.478 LONG. 21.0
10.0 MAR 1964

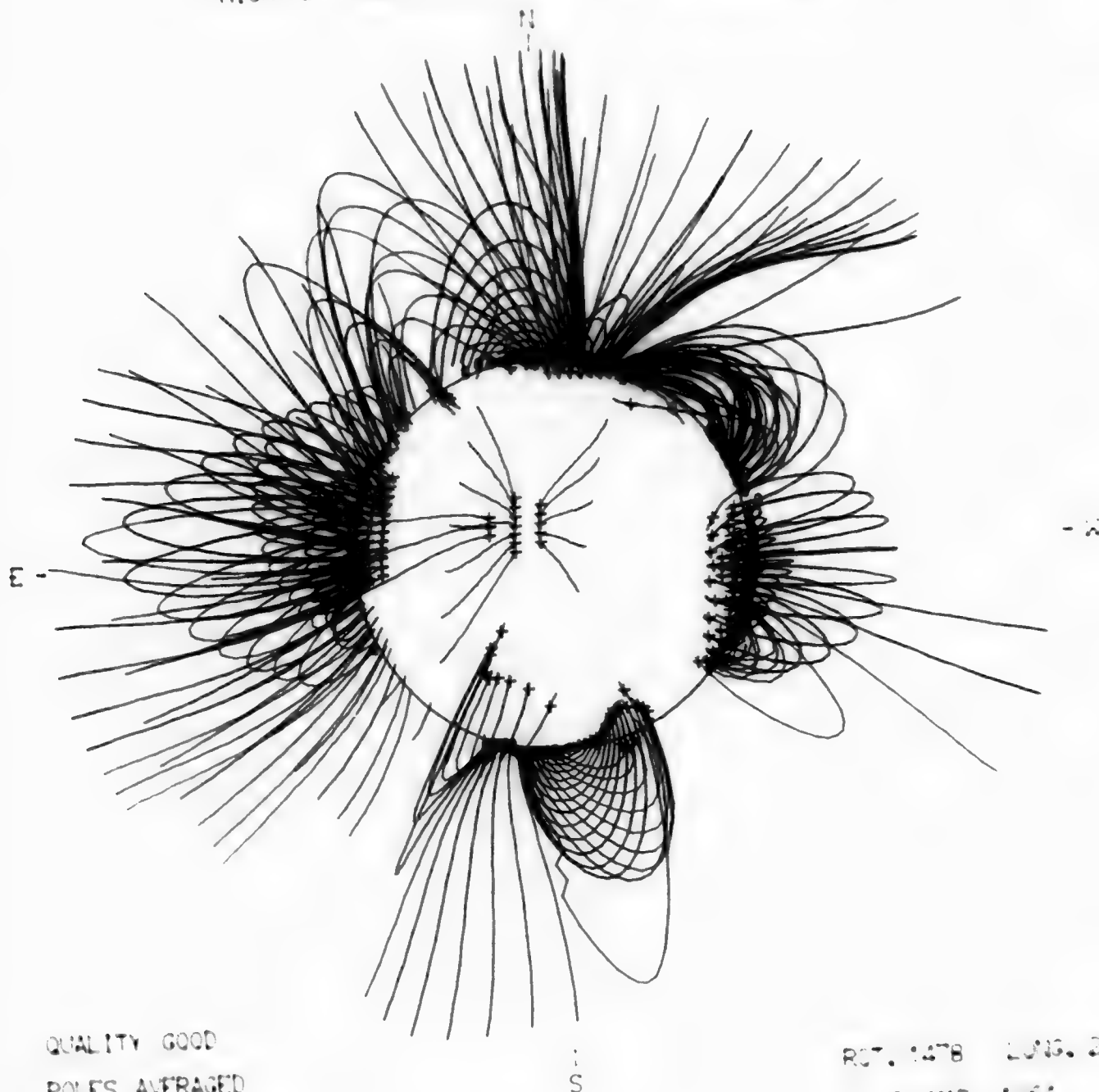
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LIND. 200°
10.7 MAR 1964

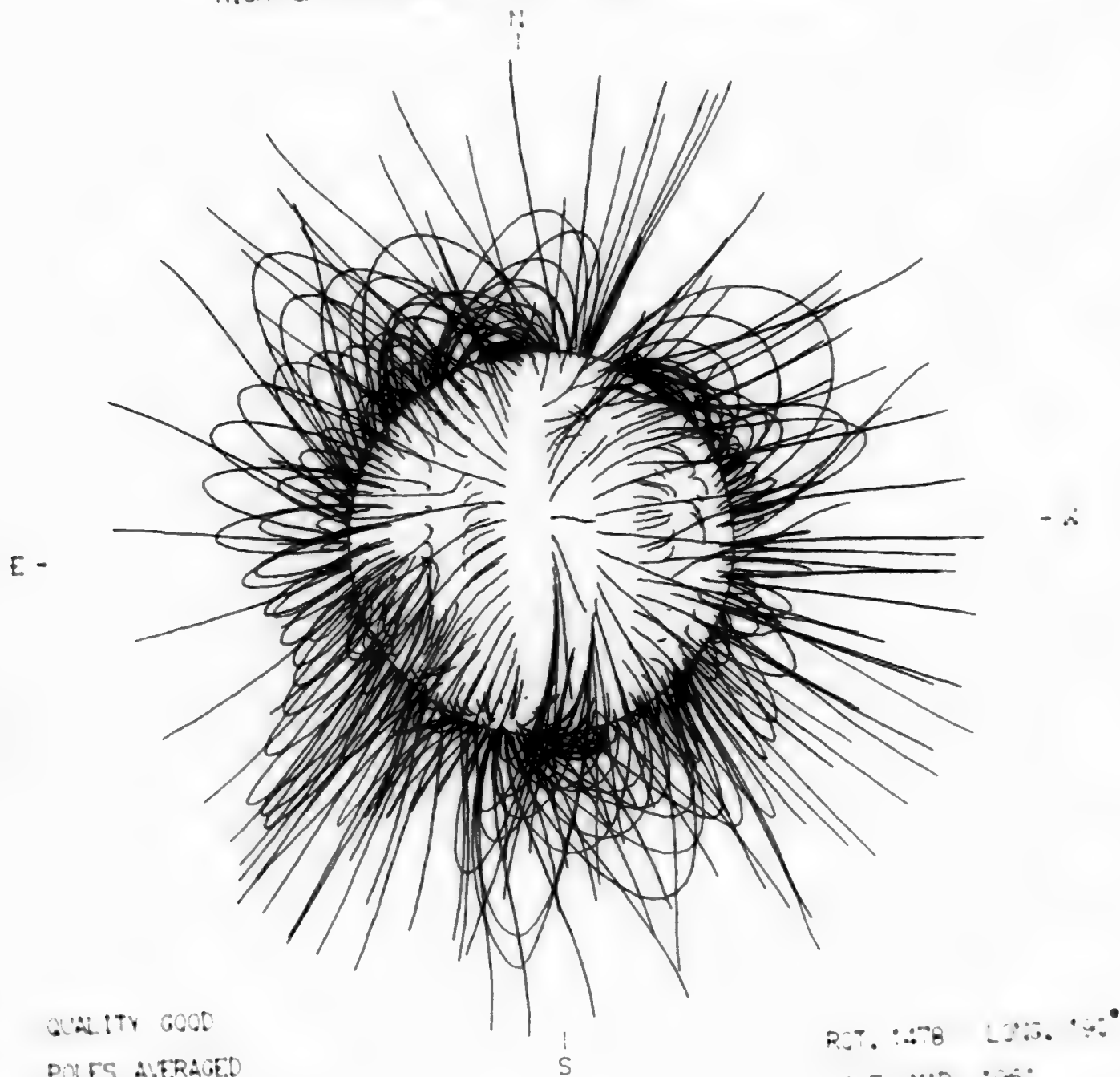
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1.478.00

ROT. 1.478 LONG. 200°
 10.7 MAR 1964

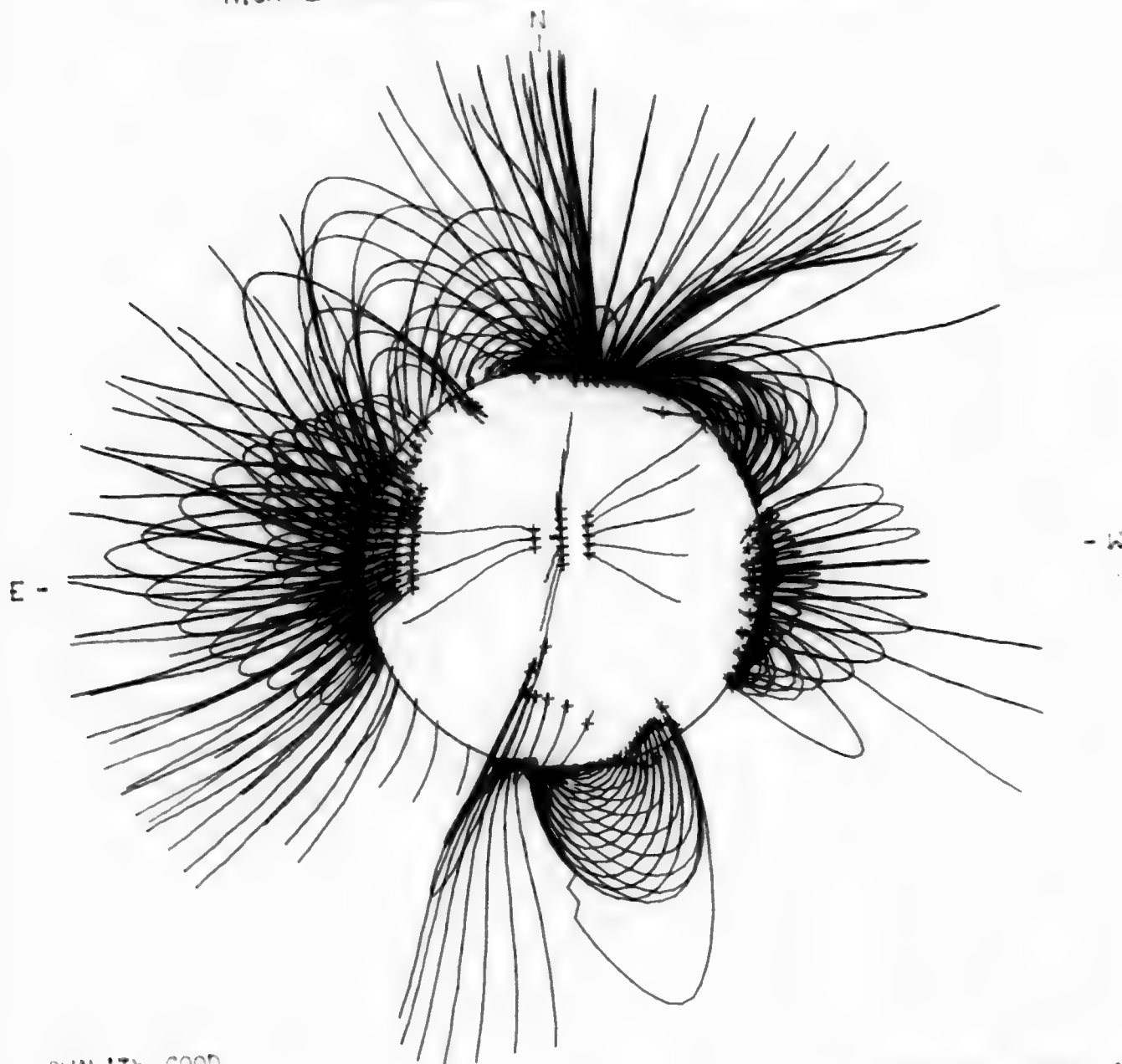
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 190°
11.5 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

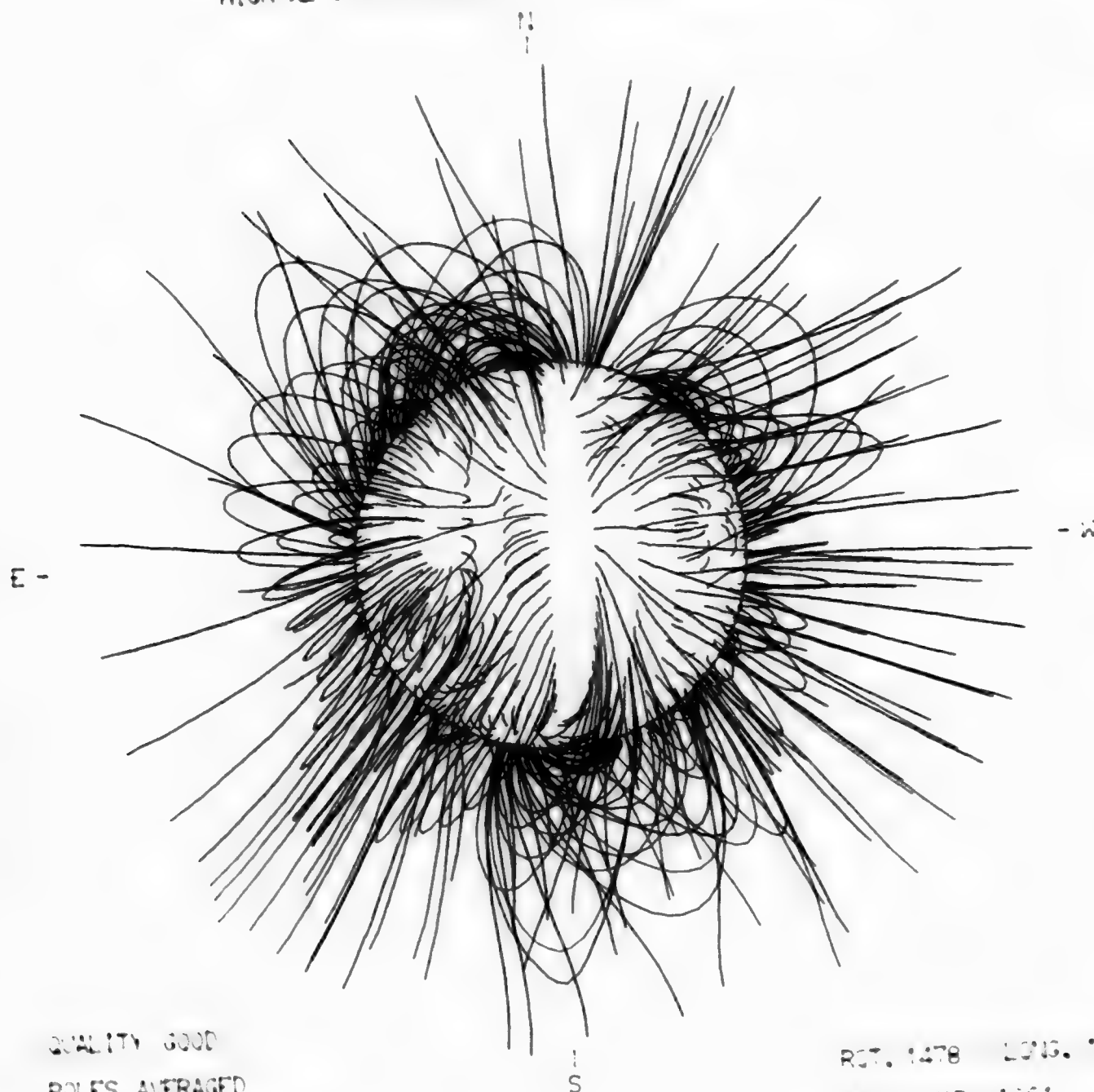


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.478.00

S

ROT. 1.478 LONG. 190°
11.5 MAR 1964

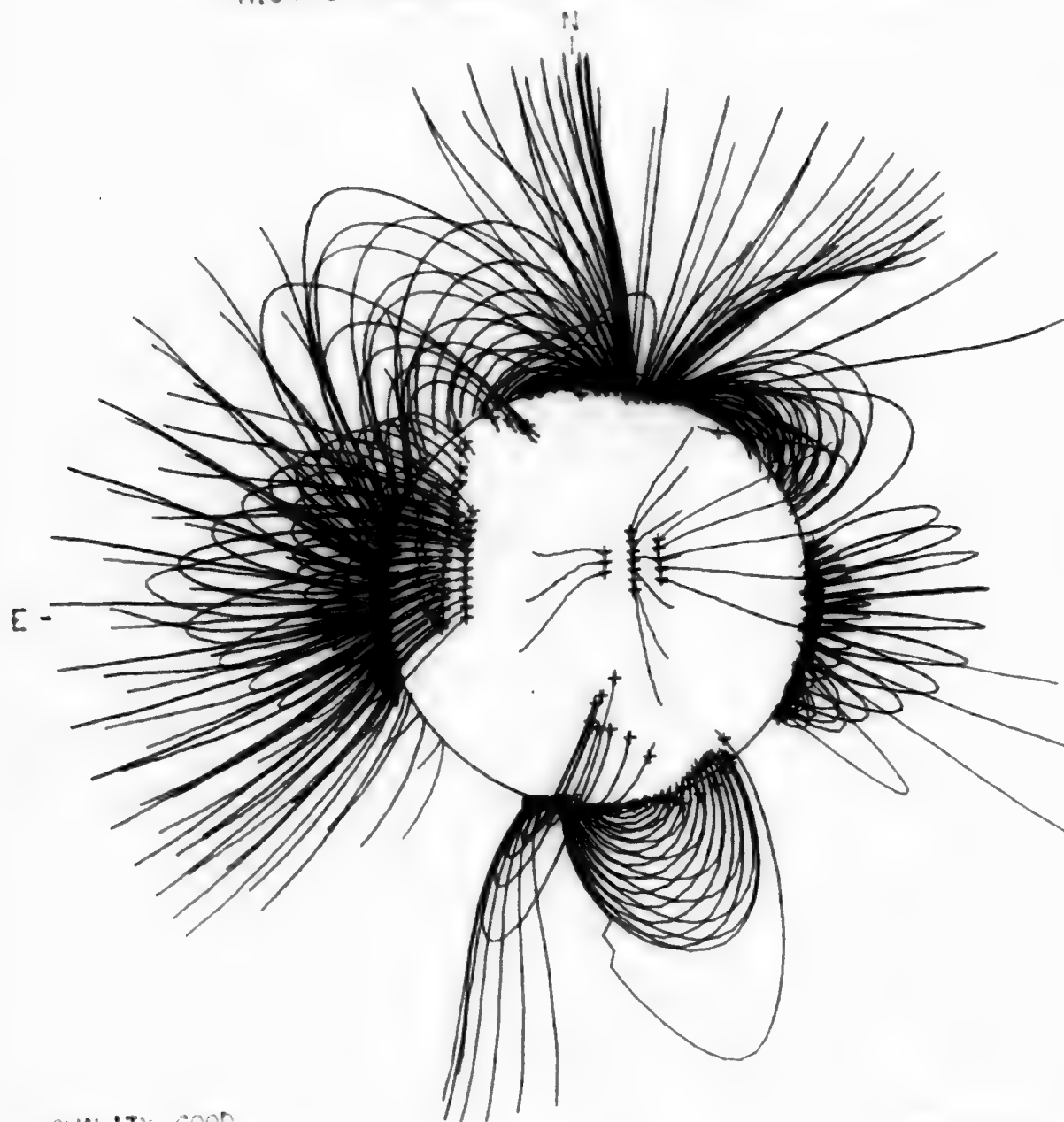
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 180°
12.2 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

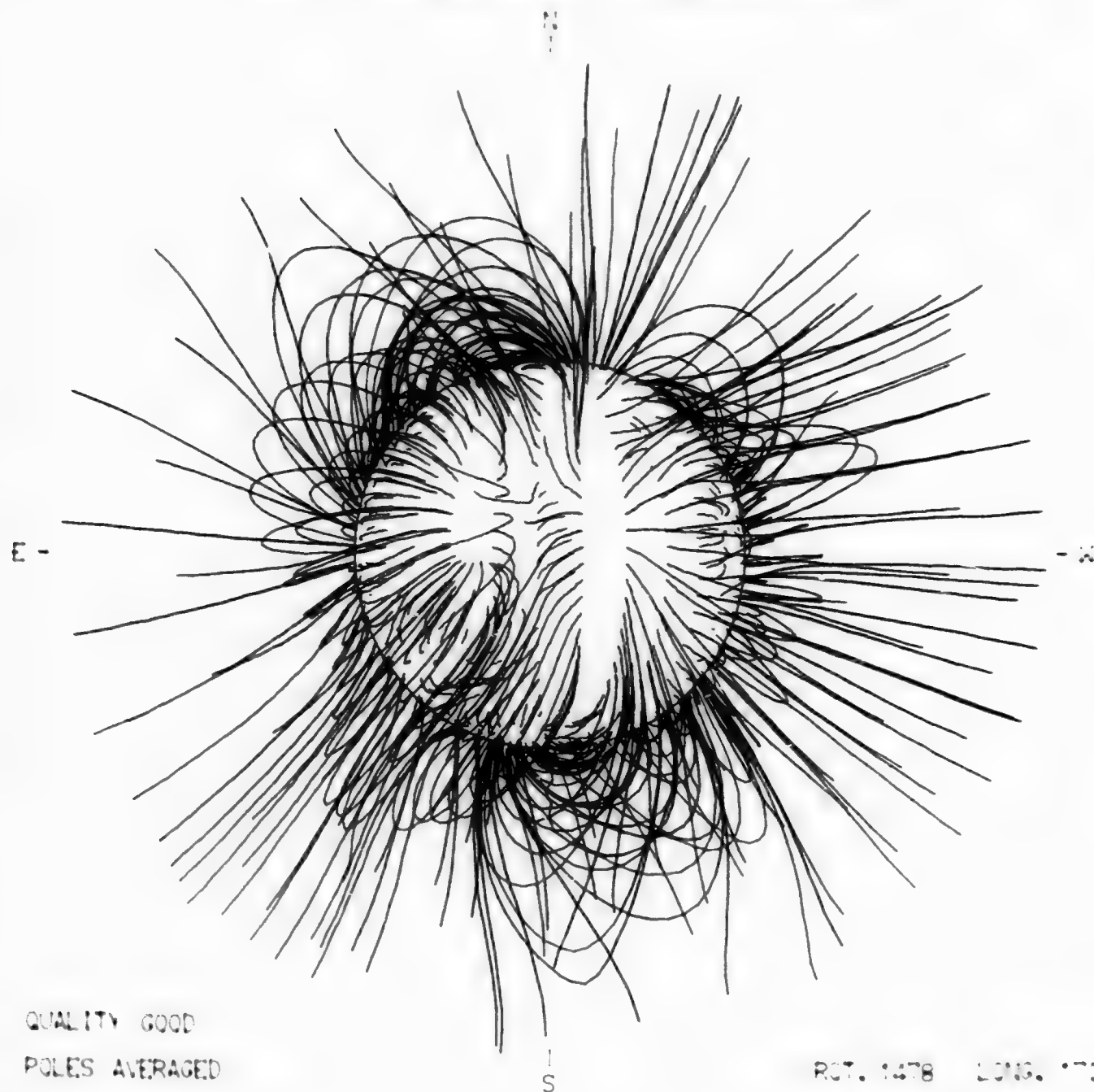


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.478.00

S

ROT. 1.478 LONG. 1.478
12.2 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

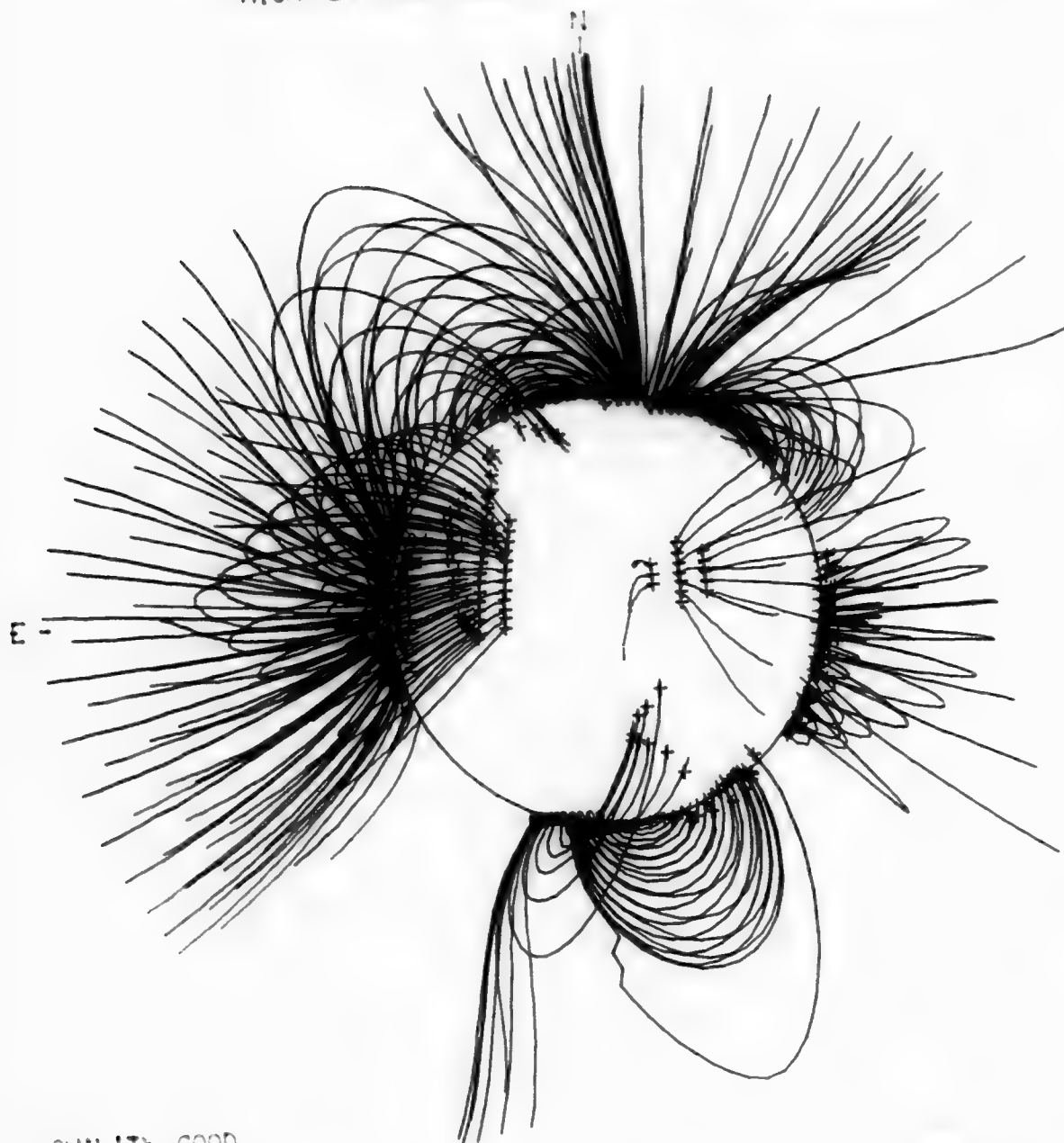
POLES AVERAGED

DATA WINDOW 1478.00

ROT. 1478 LONG. 170°

13.0 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

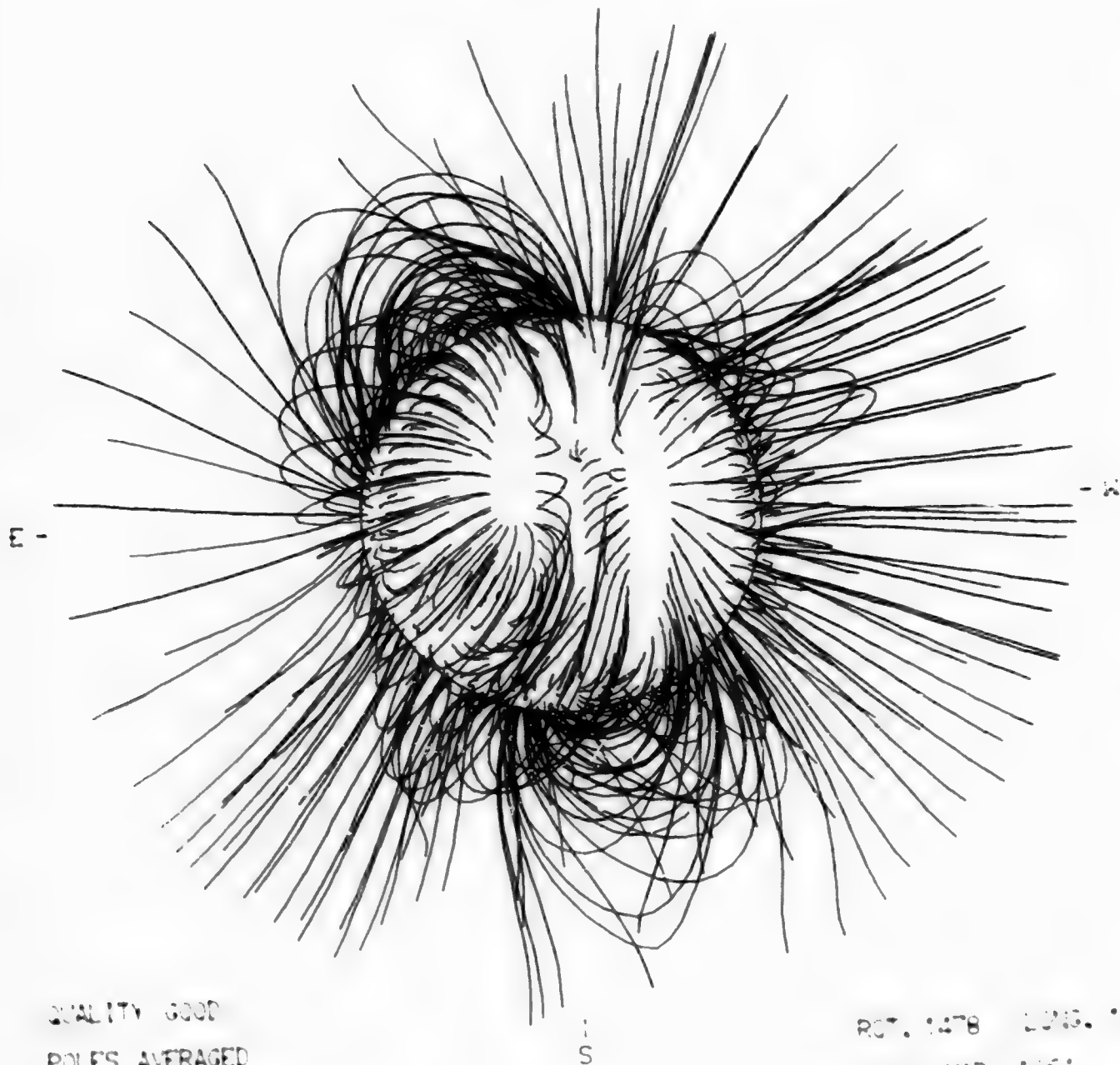


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1478.00

S

ROT. 1478 LONG. 170°
 13.0 MAR 1964

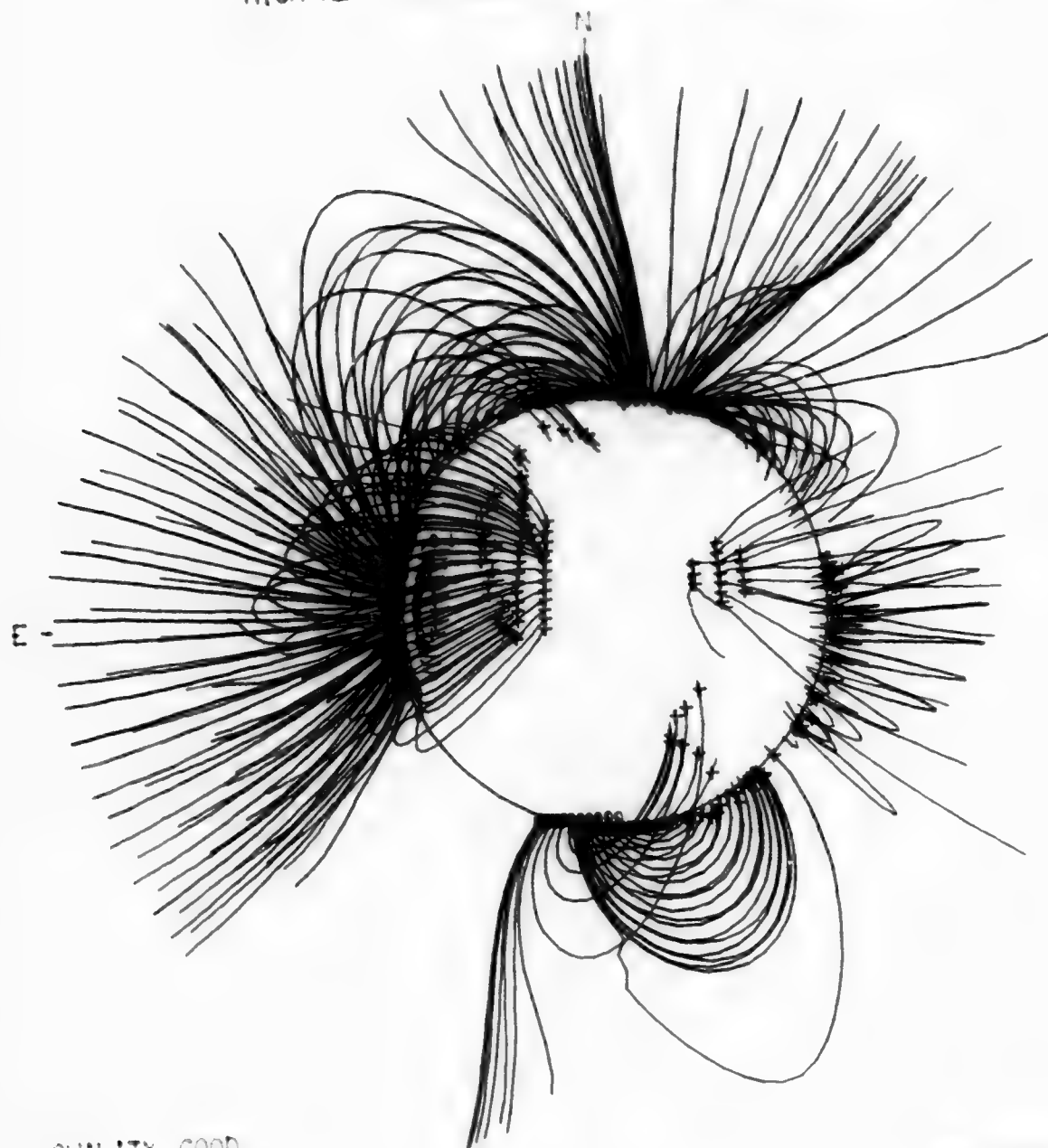
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 160°
13.8 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

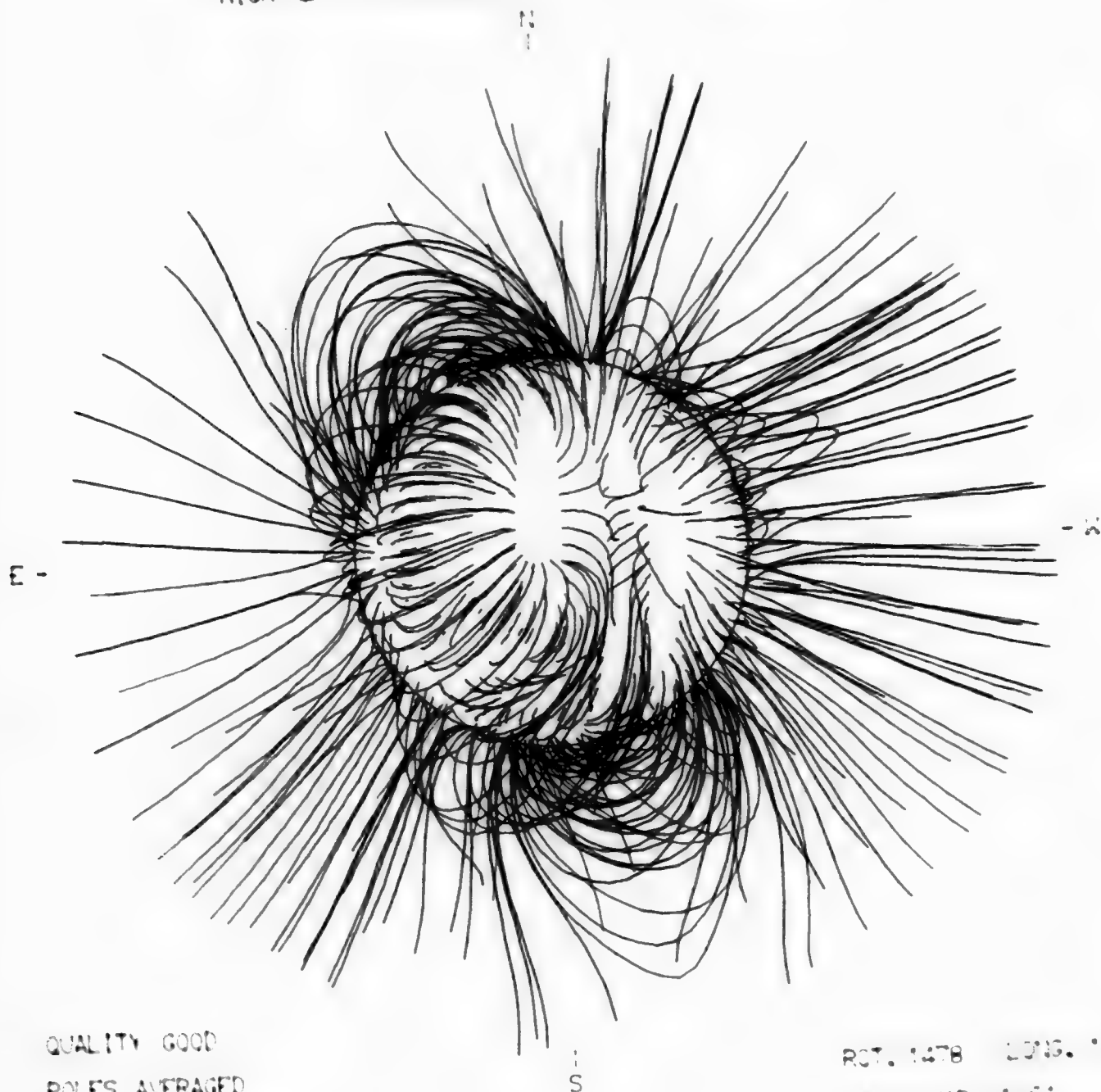


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.478.00

S

ROT. 1.478 LONG. 150°
13.8 MAR 1964

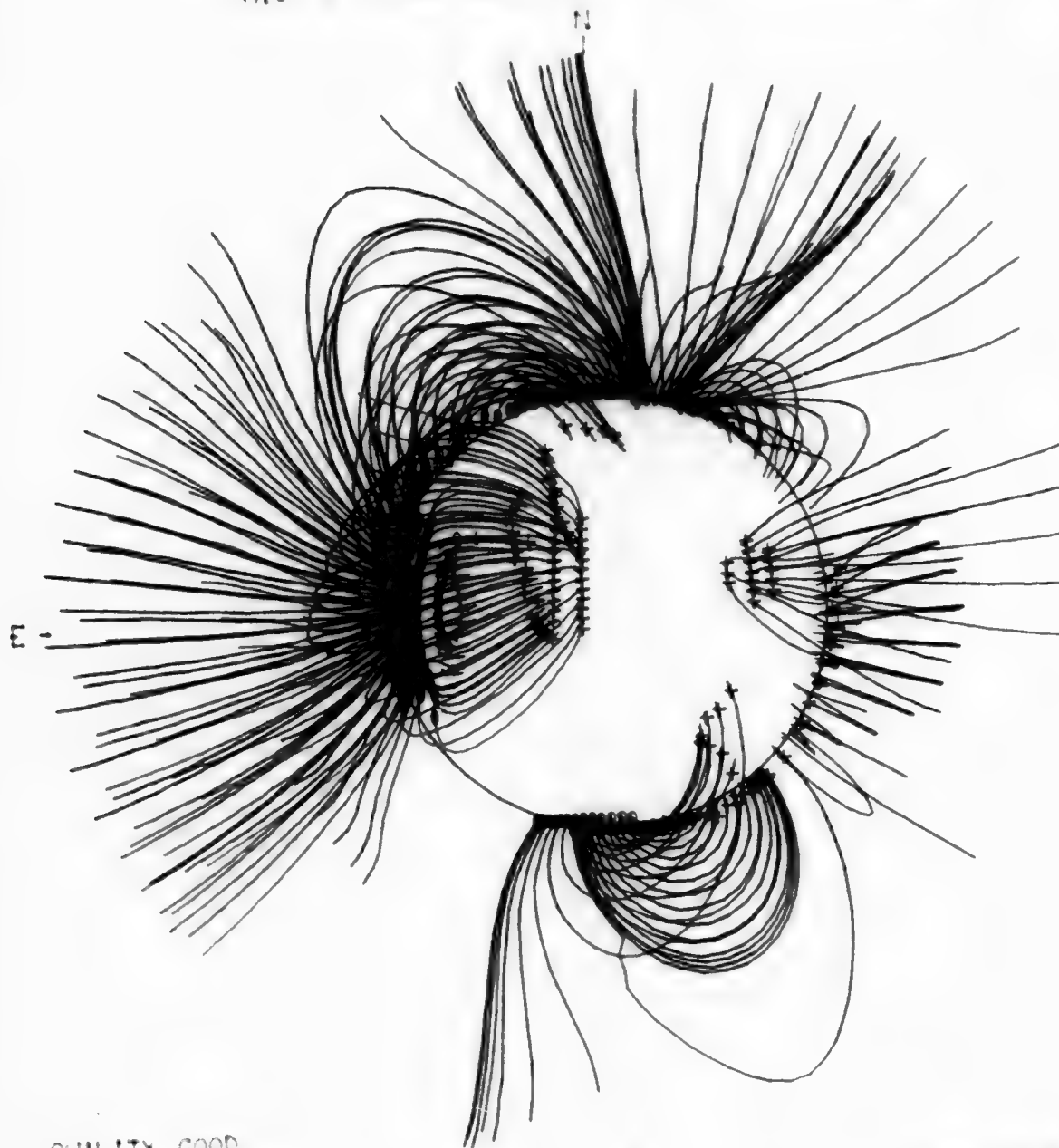
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 150°
14.5 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

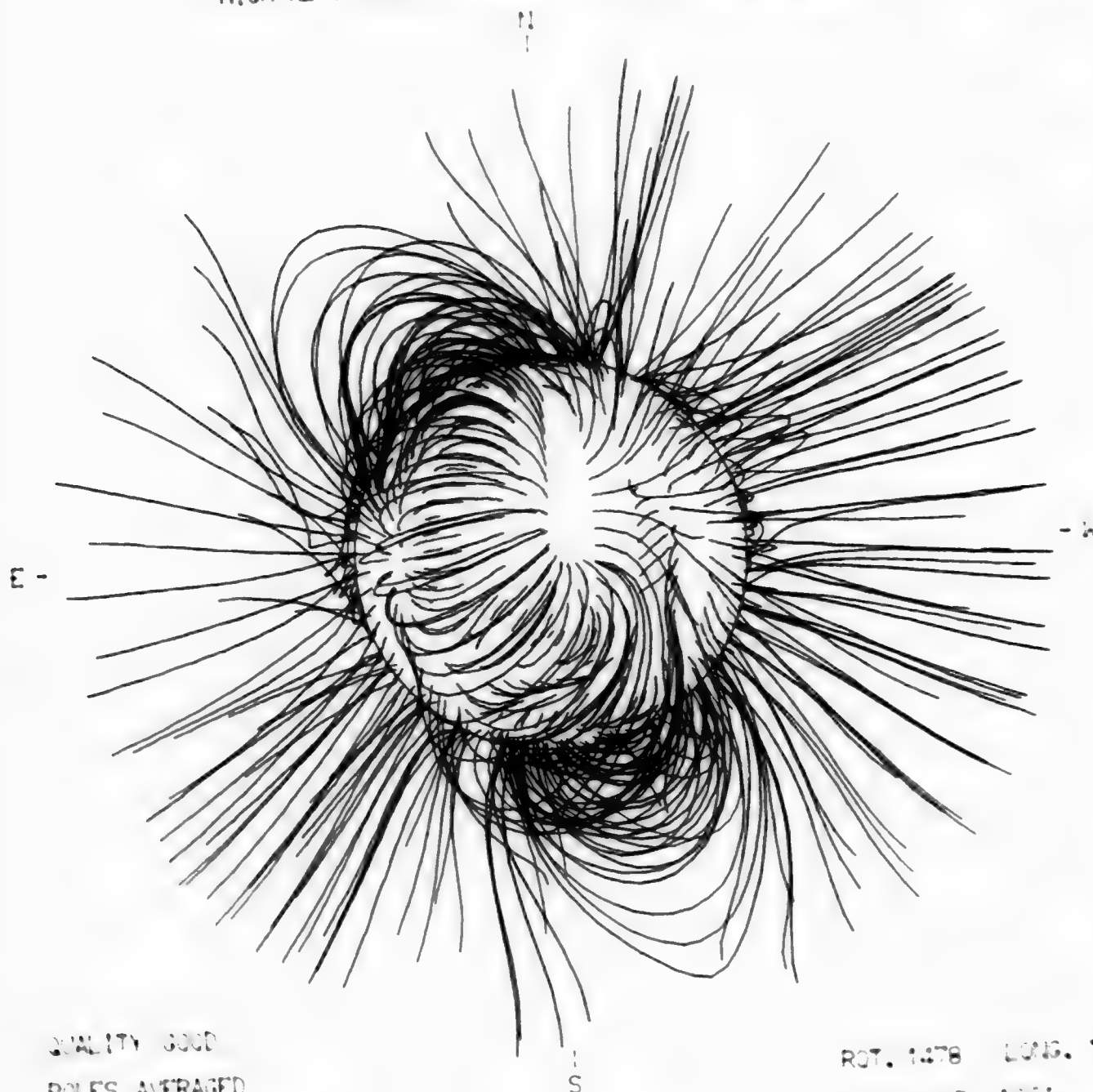


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1478.00

S

ROT. 1478 LONG. 150°
 14.5 MAR 1964

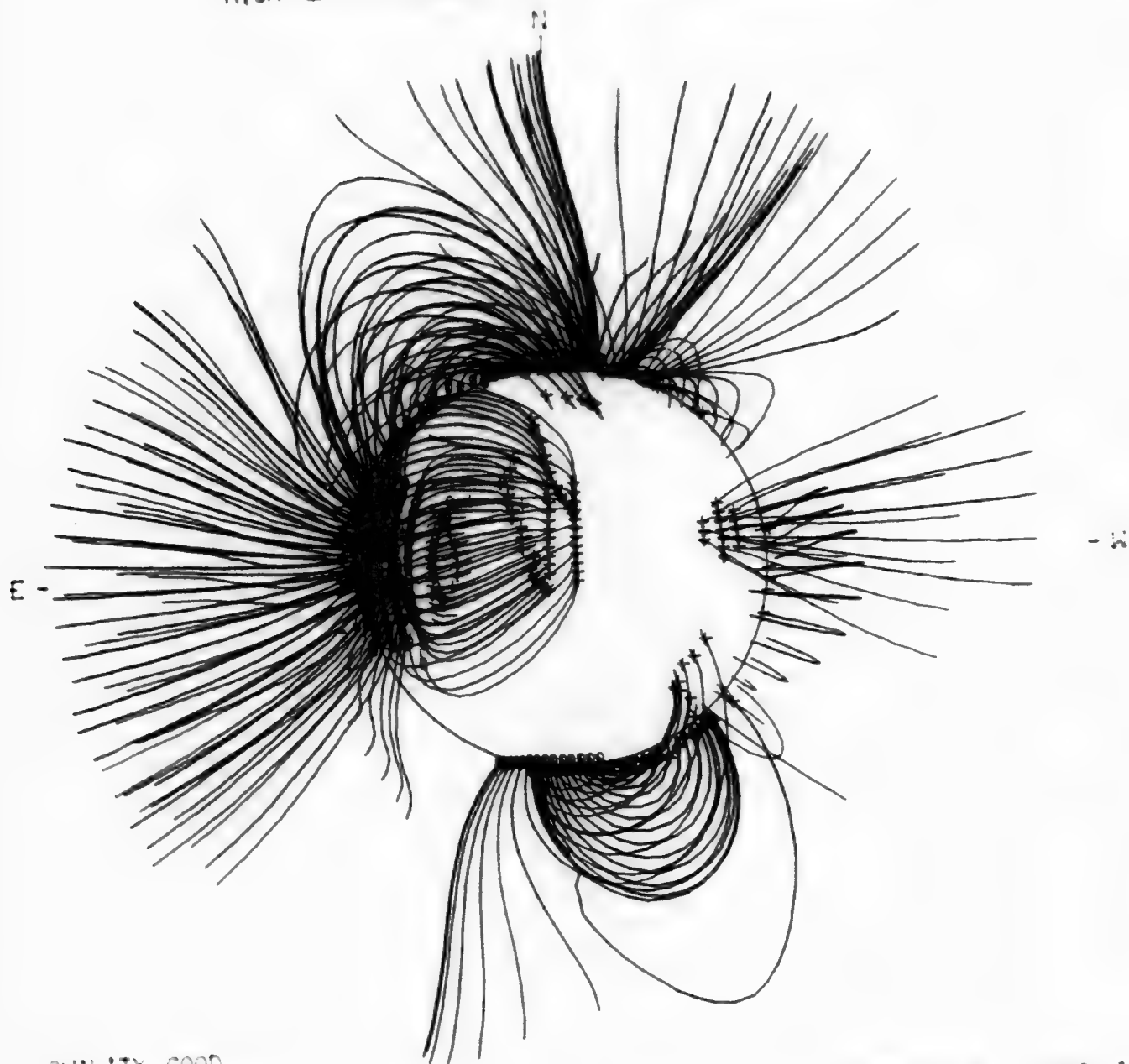
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.478.00

ROT. 1.478 LONG. 1.41°
15.3 MAR 1964

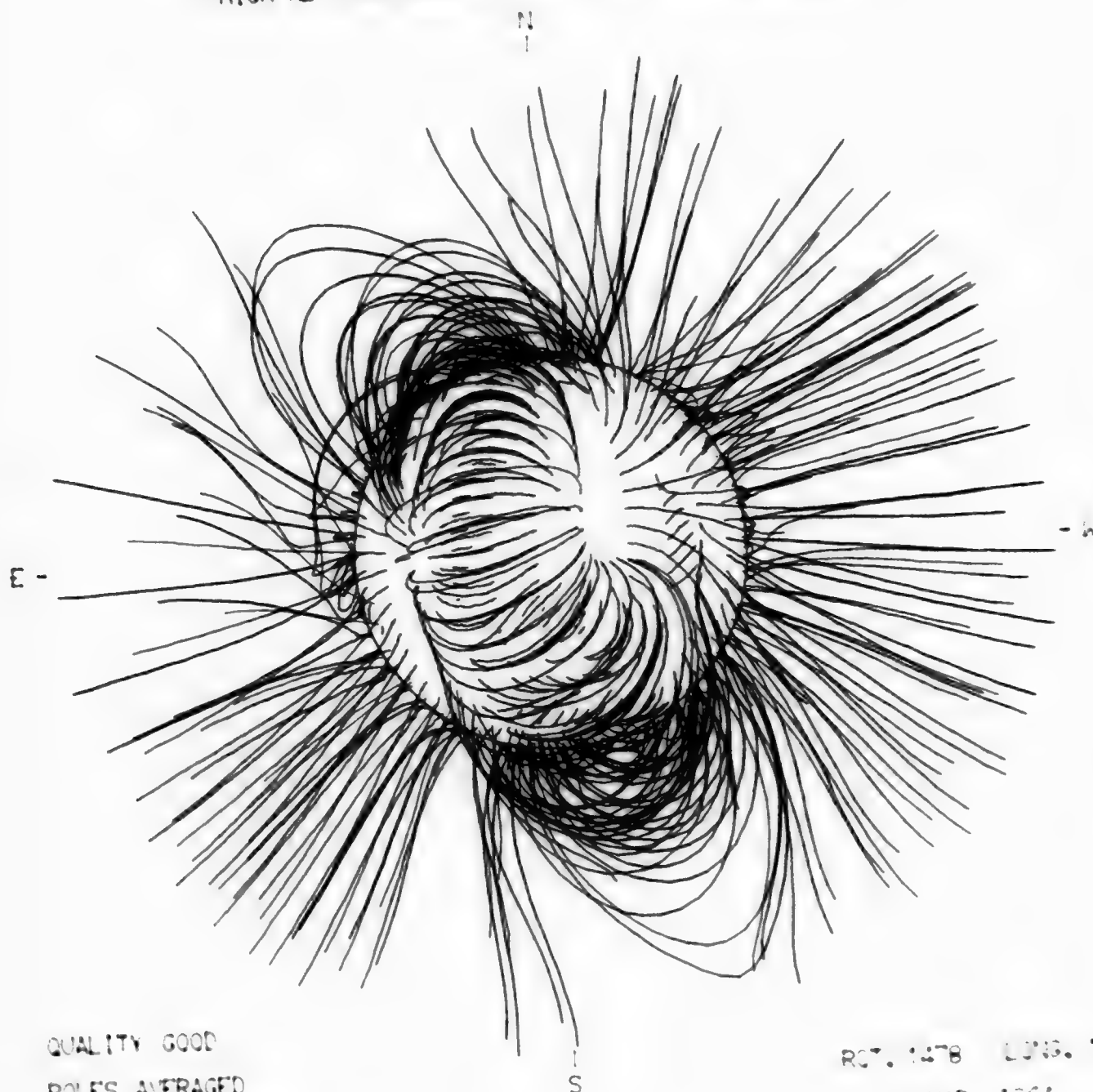
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 141°
15.3 MAR 1964

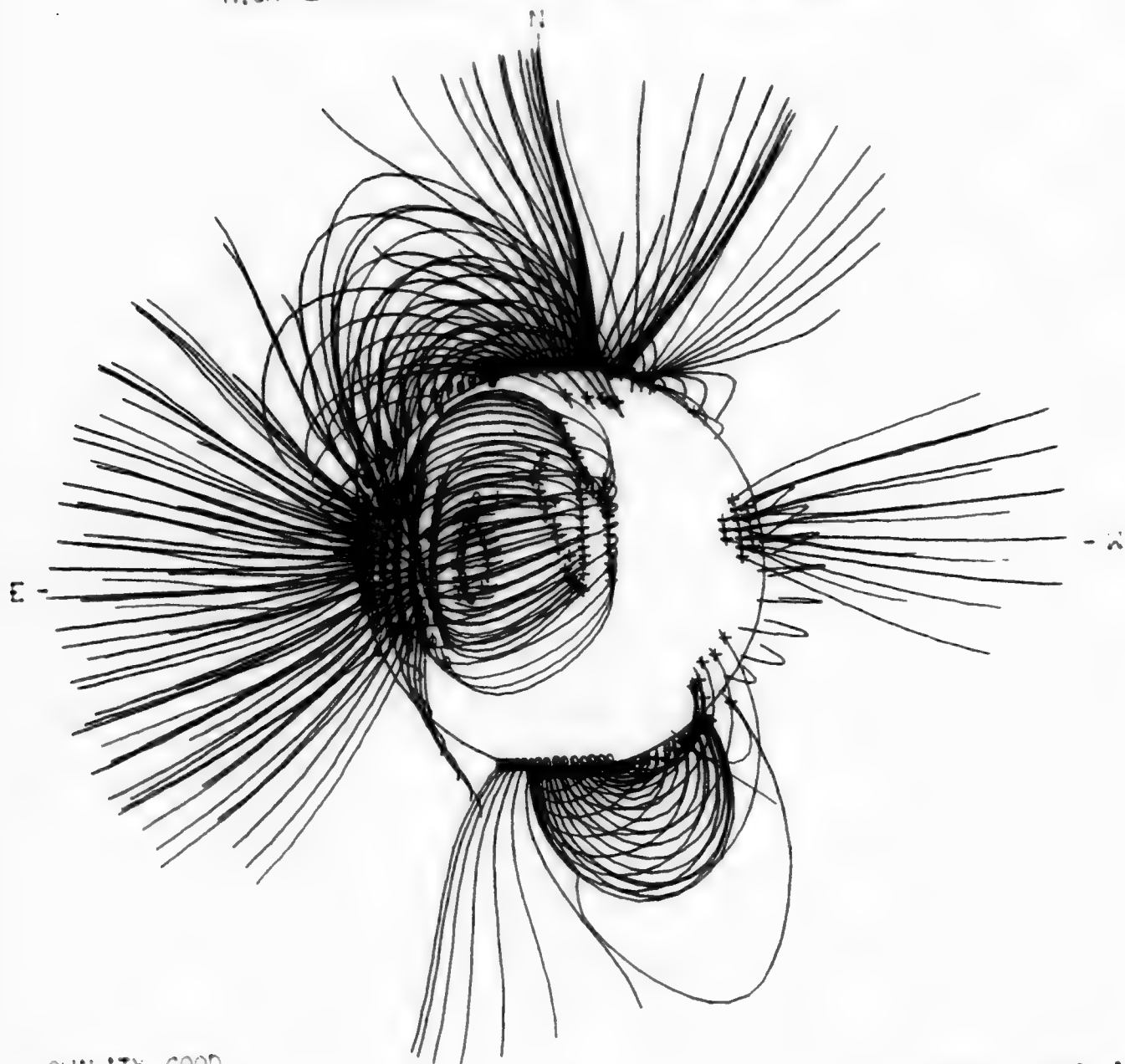
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 130°
16.0 MAR 1964

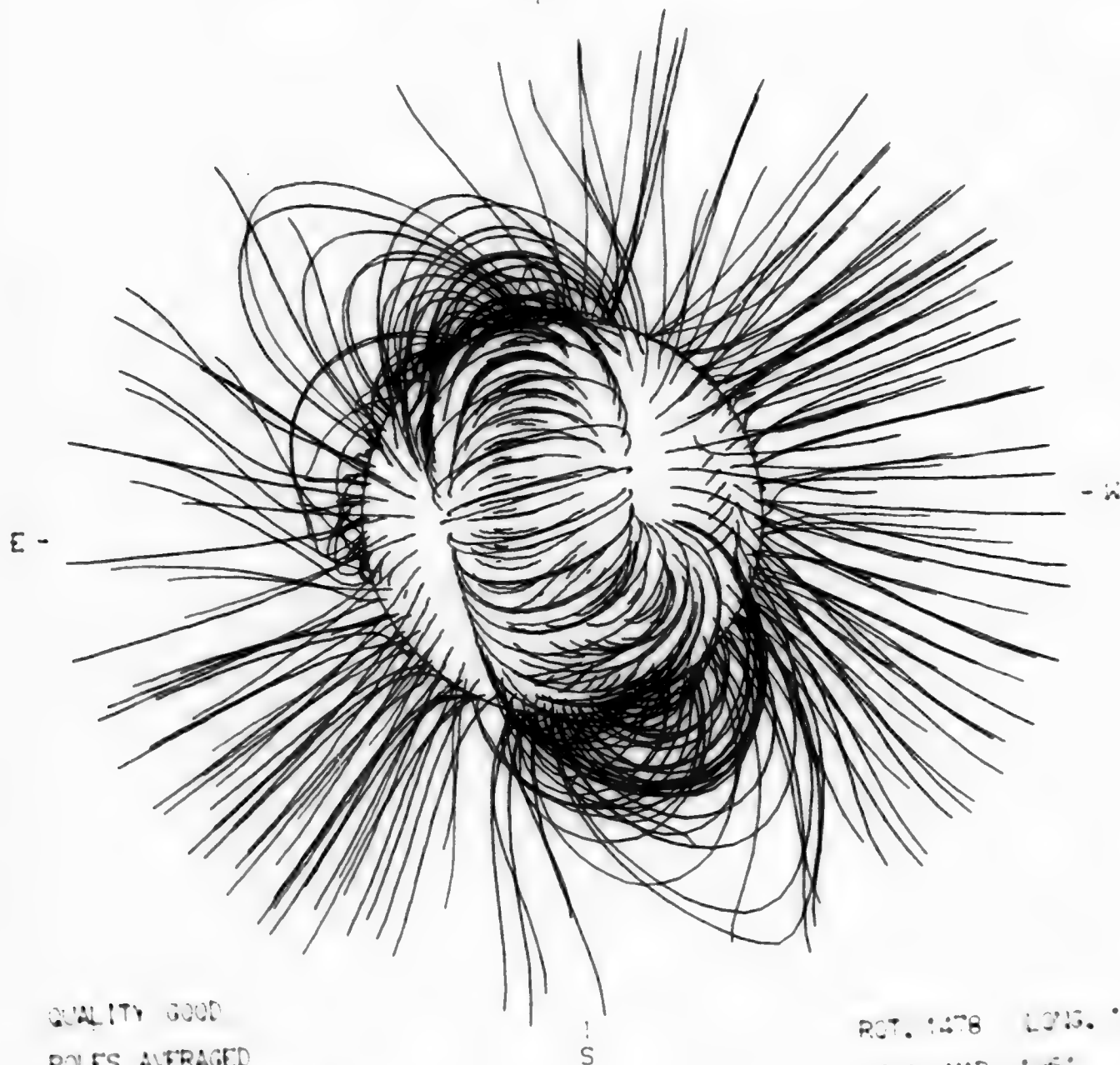
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.478.00

ROT. 1.478 LONG. 130°
15.0 MAR 1964

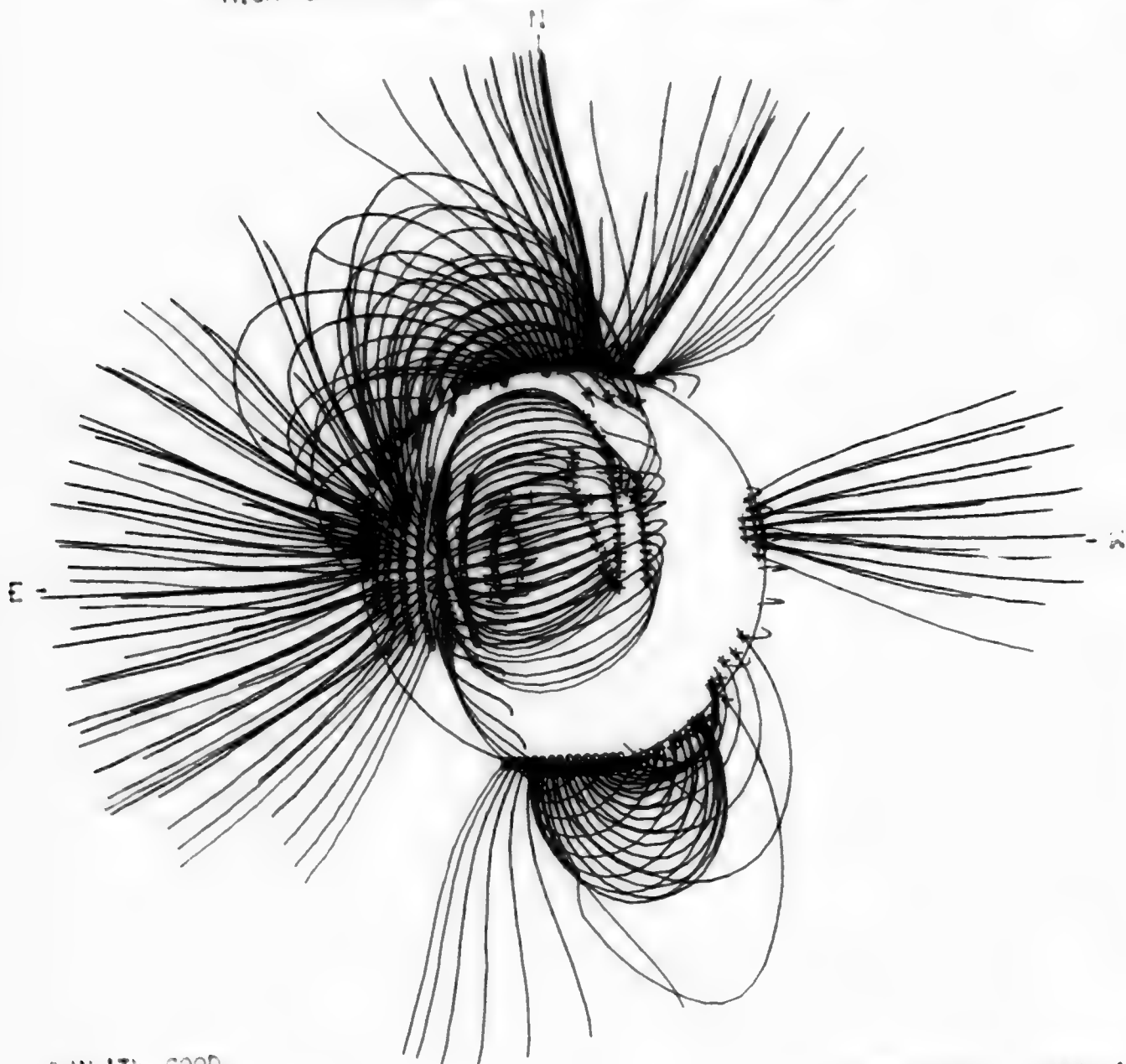
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.478.00

ROT. 1.478 LONG. 20°
16.8 MAR 1954

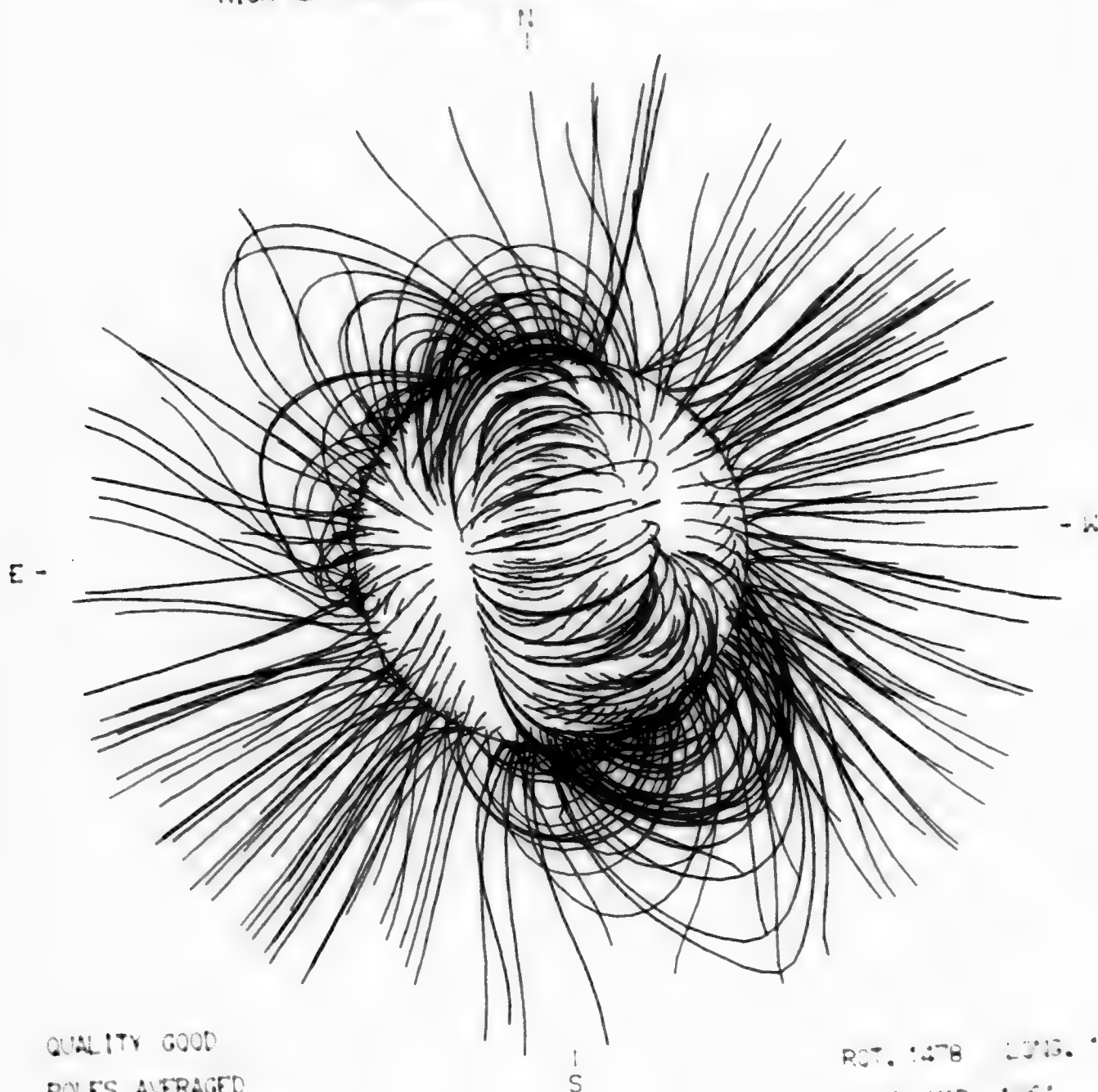
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 121°
16.8 MAR 1964

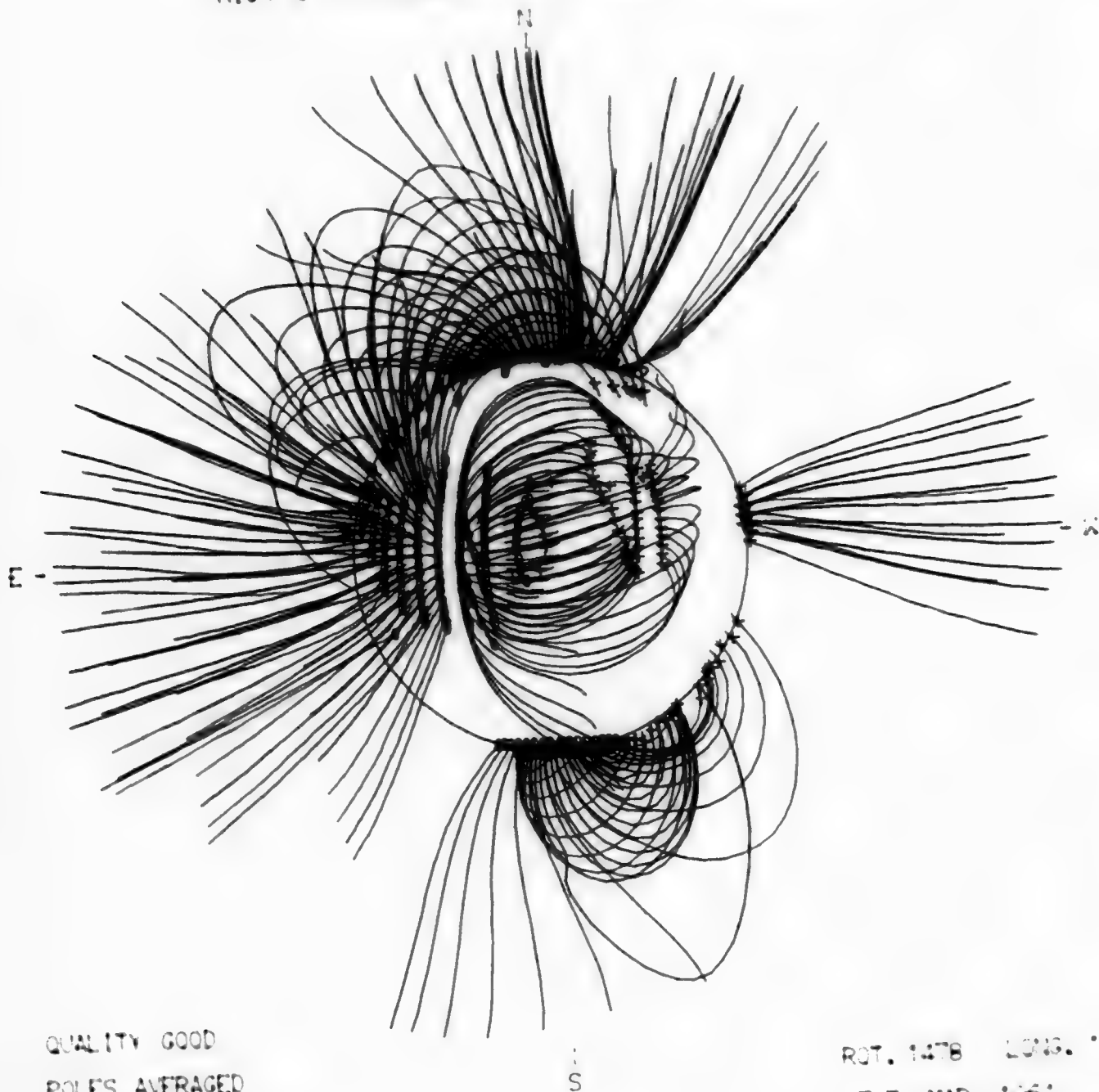
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.478.00

ROT. 1.478 LONG. 111.0
17.5 MAR 1964

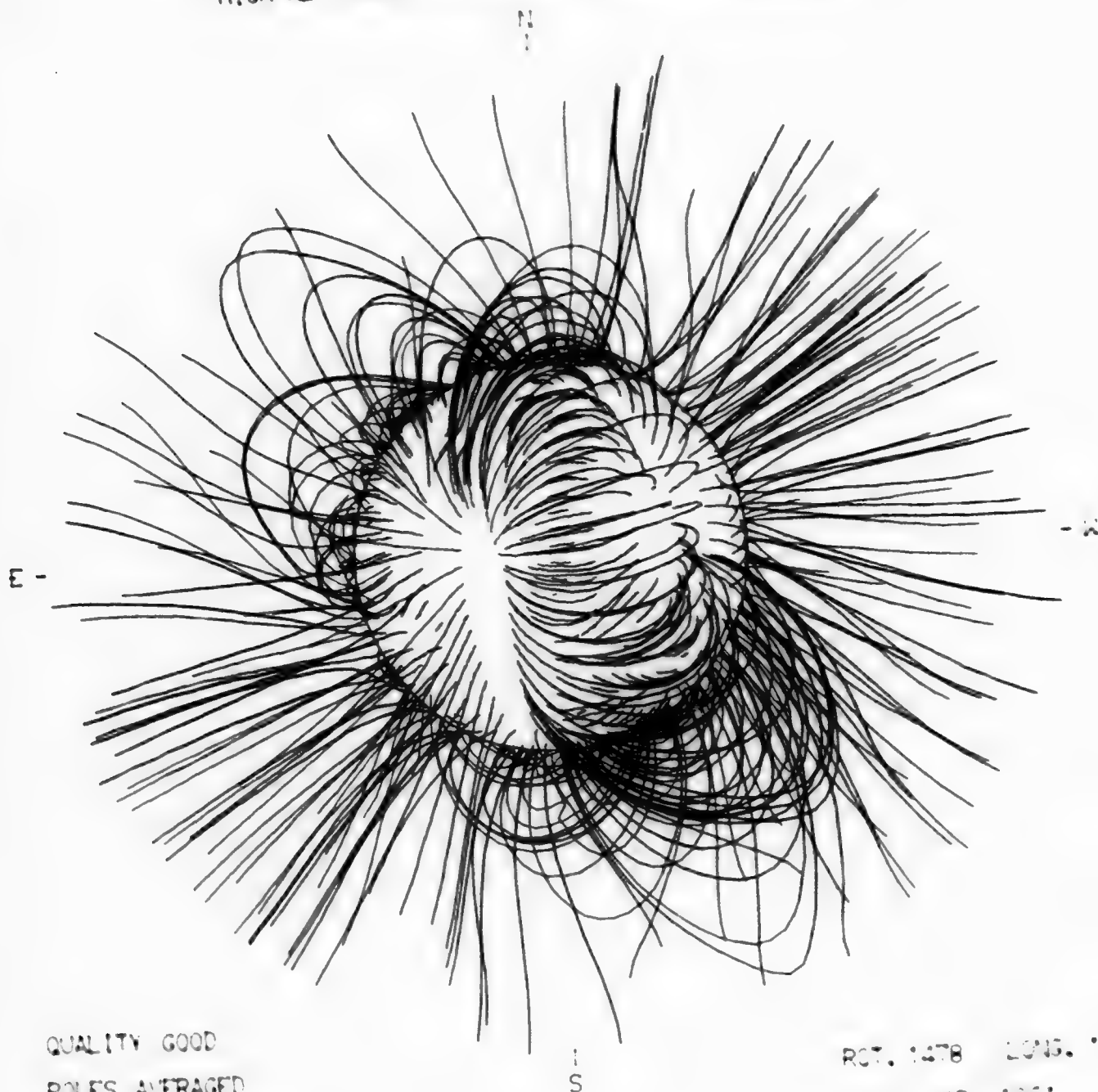
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 11.0°
17.5 MAR 1964

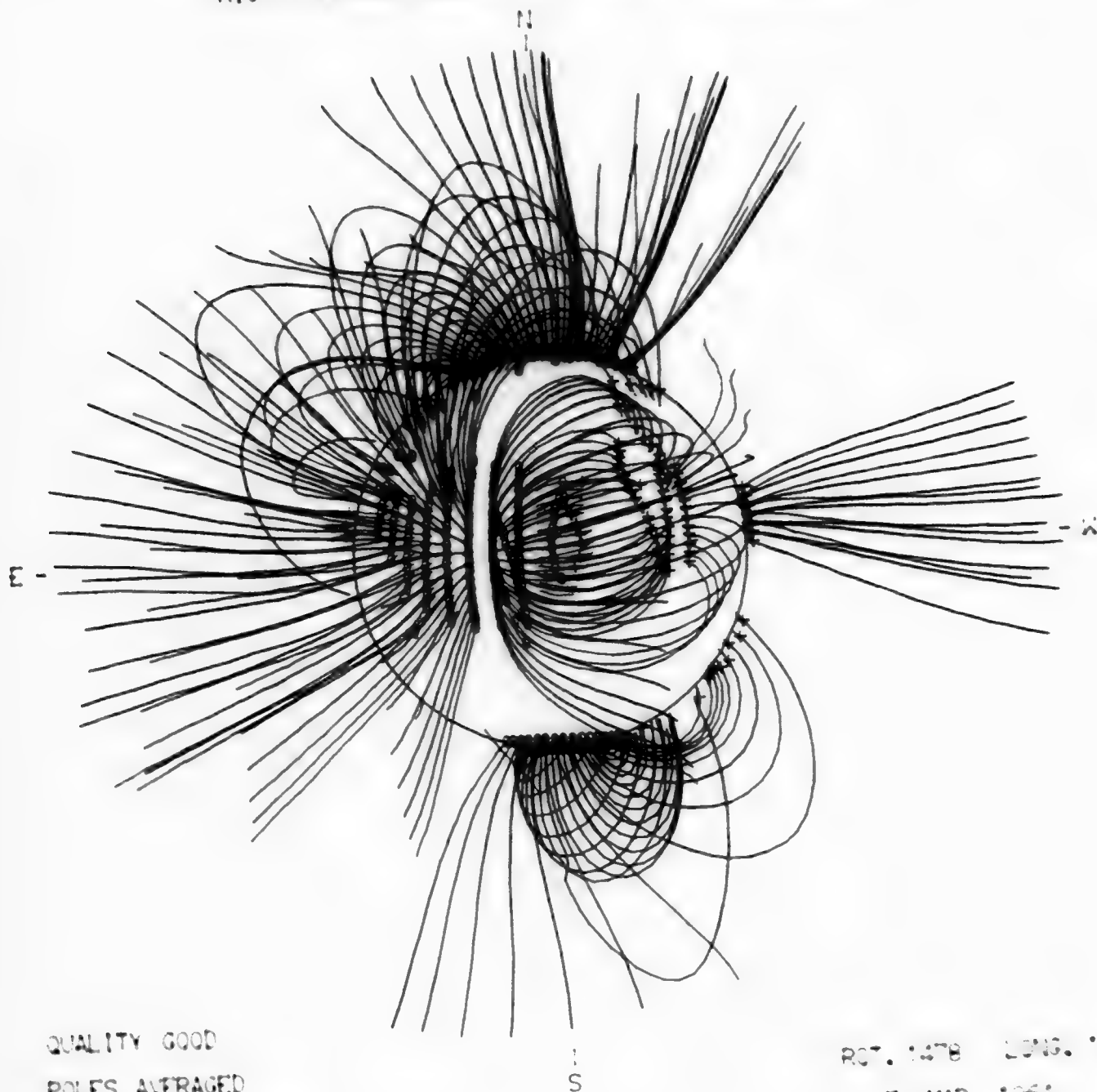
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 1015. 100°
18.3 MAR 1962

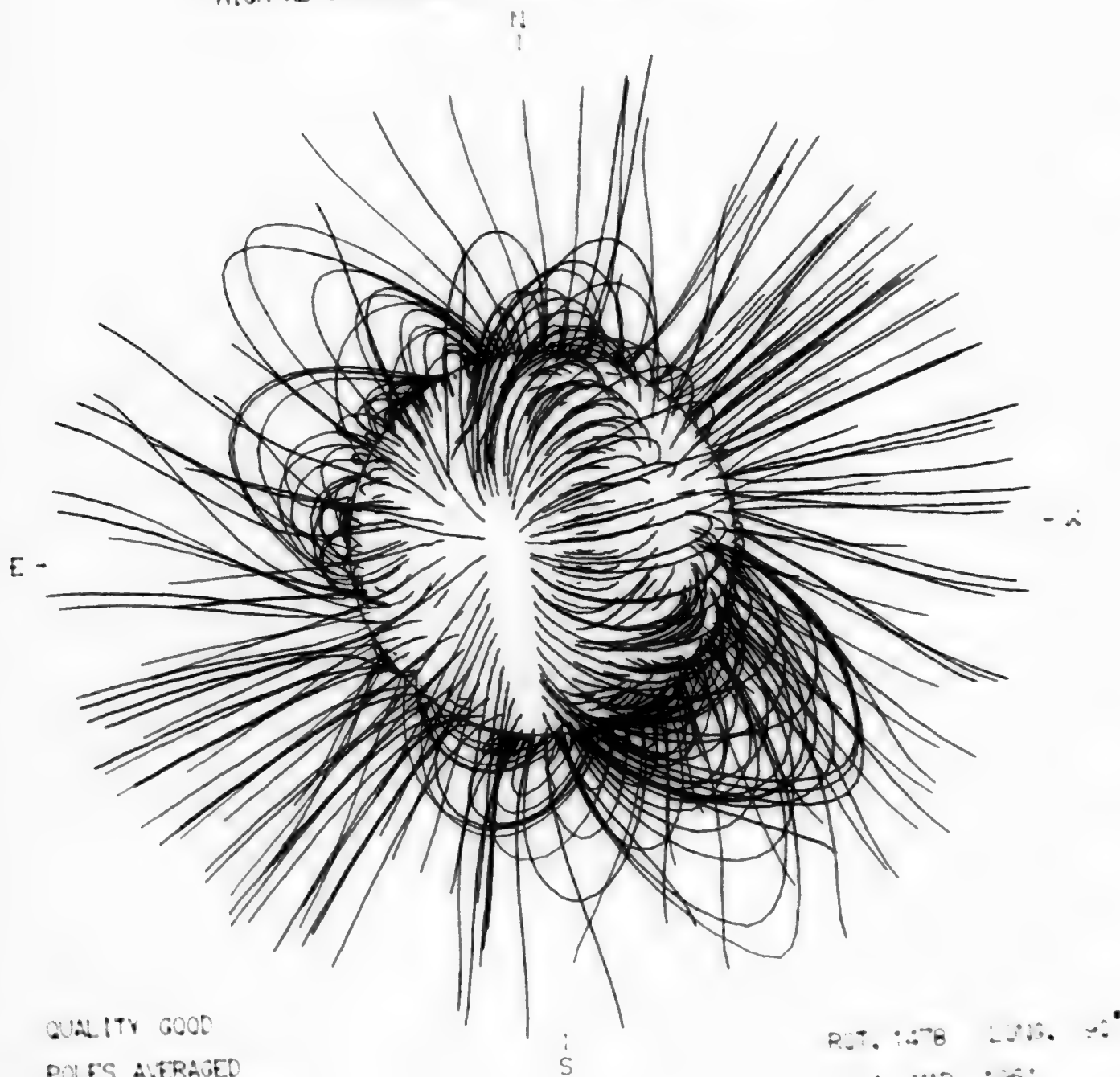
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.478.00

ROT. 1.478 LONG. 1.478
18.3 MAR 1964

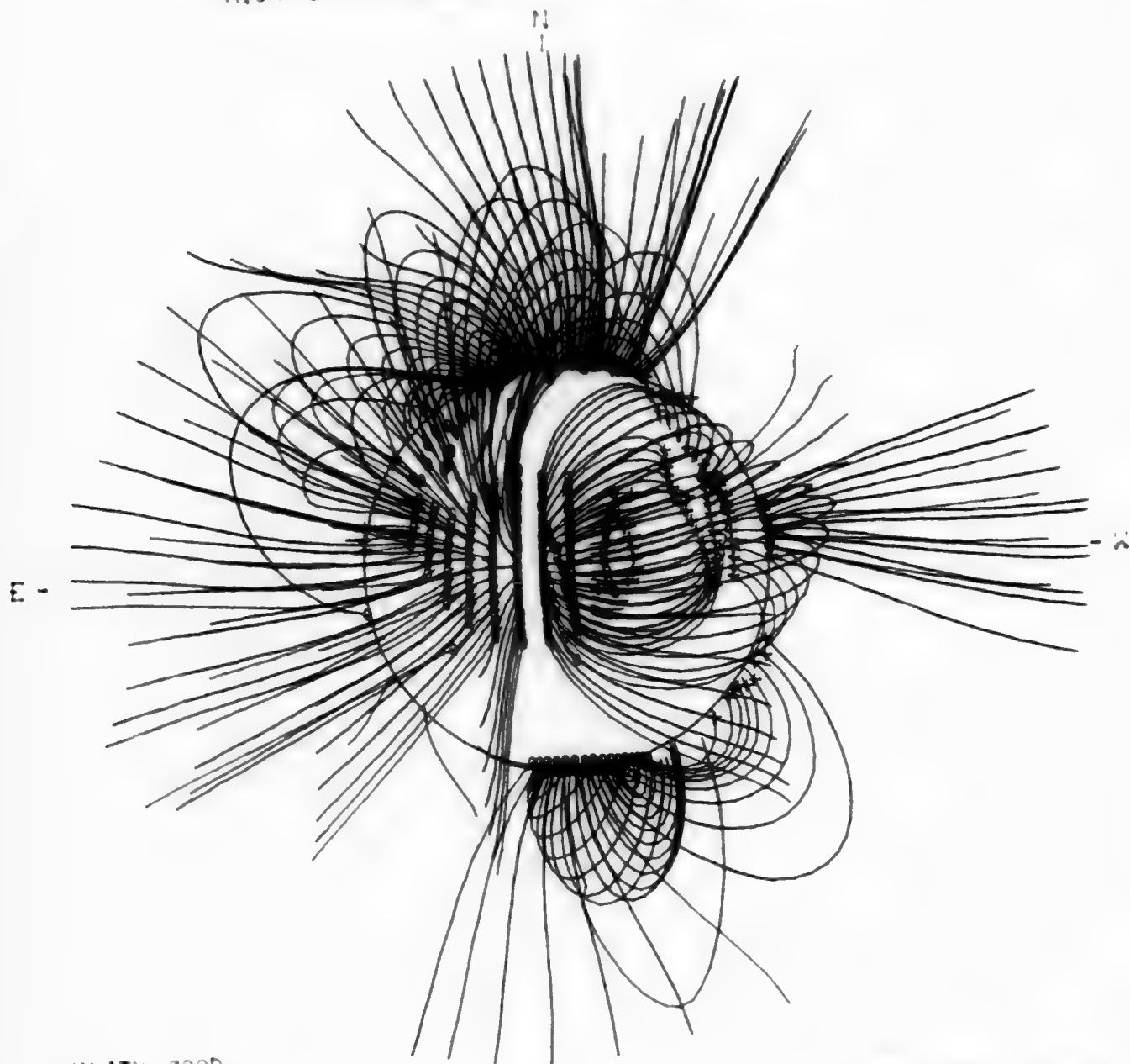
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.00

ROT. 1478 LONG. 90°
19. MAR 1962

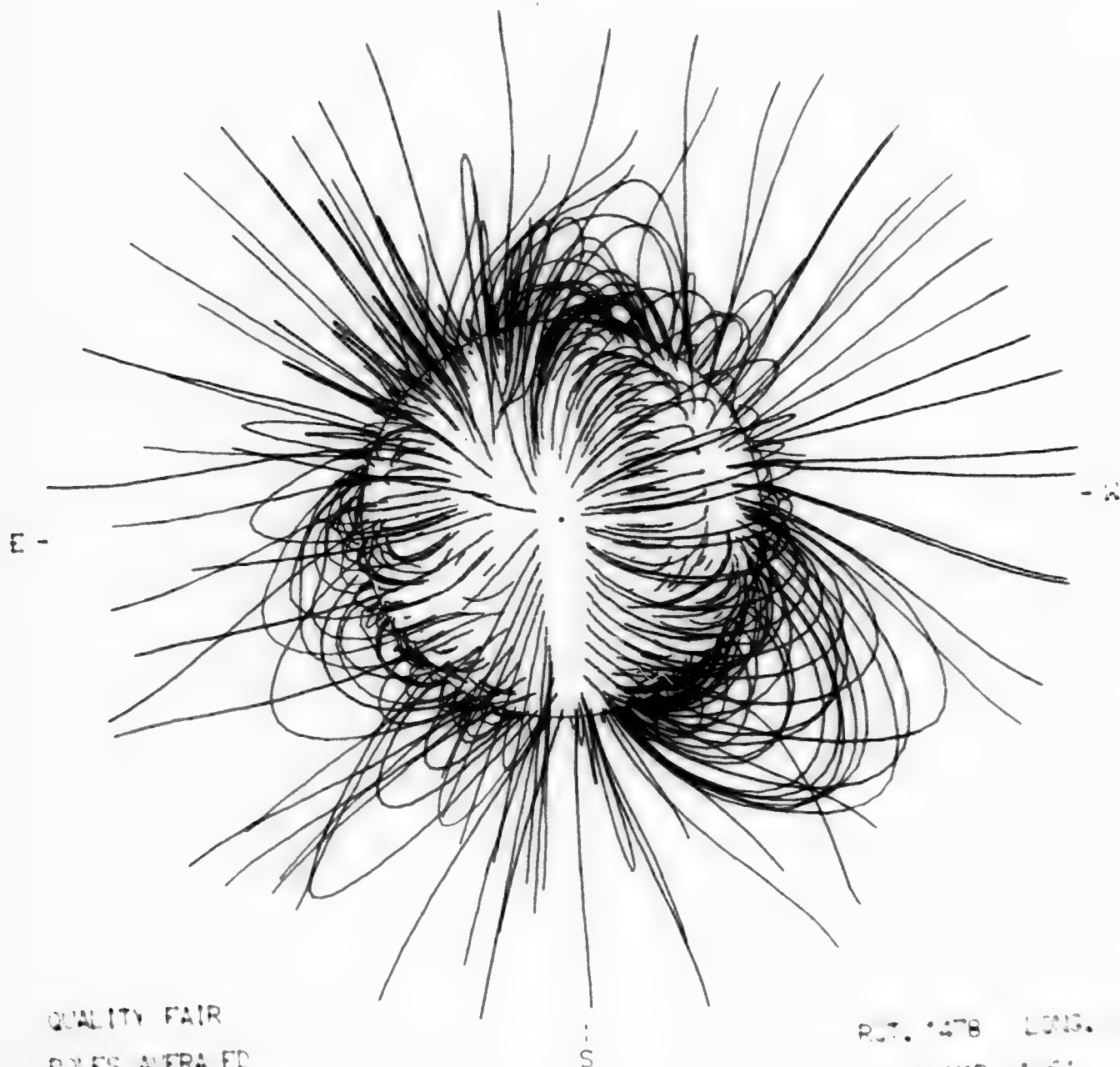
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.478.00

ROT. 1.478 LONG. 90°
19.1 MAR 1964

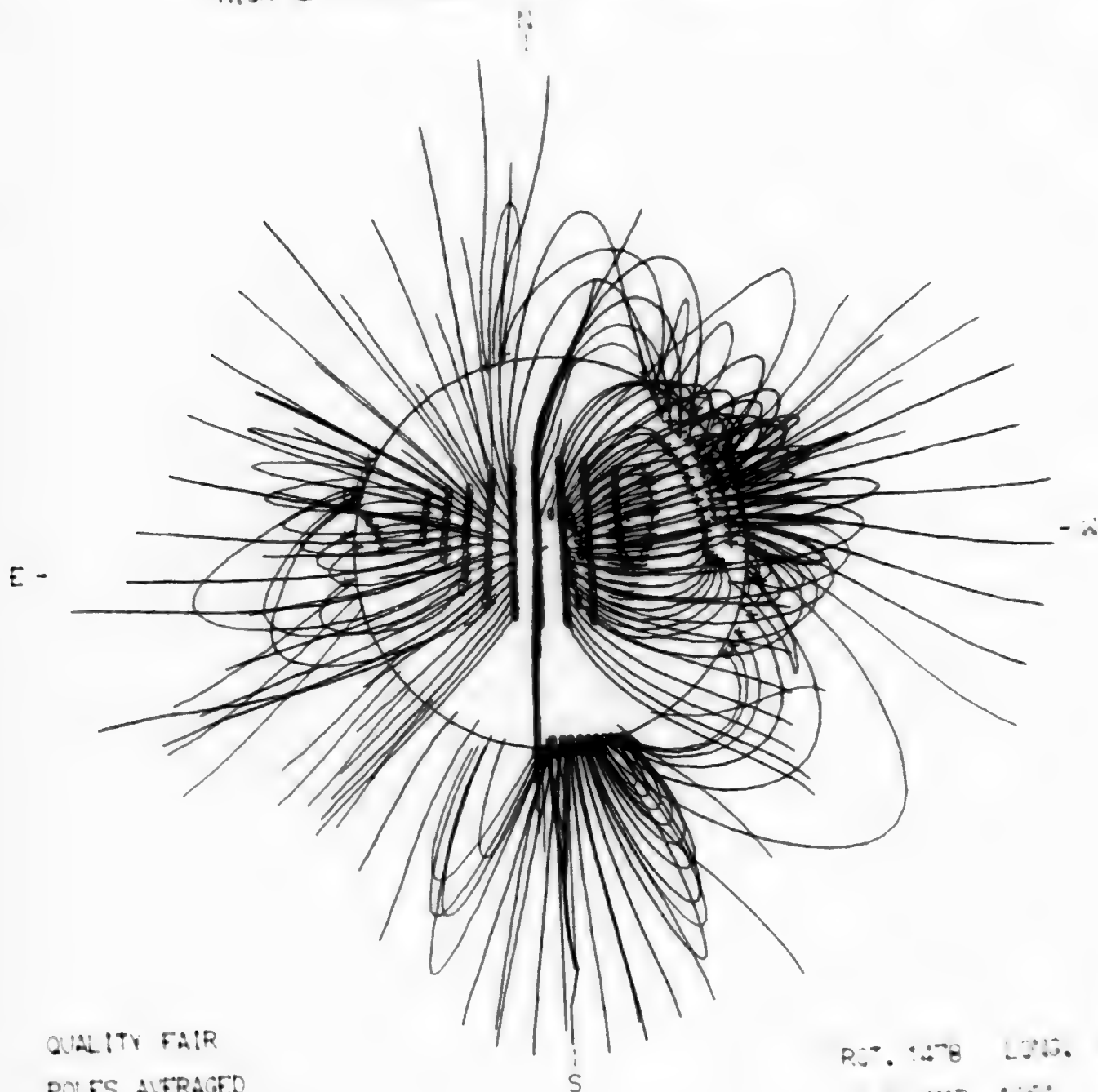
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERA ED
DATA WINDOW 1.578.47

ROT. 1.578 LONG. 81°
19.8 MAR 1964

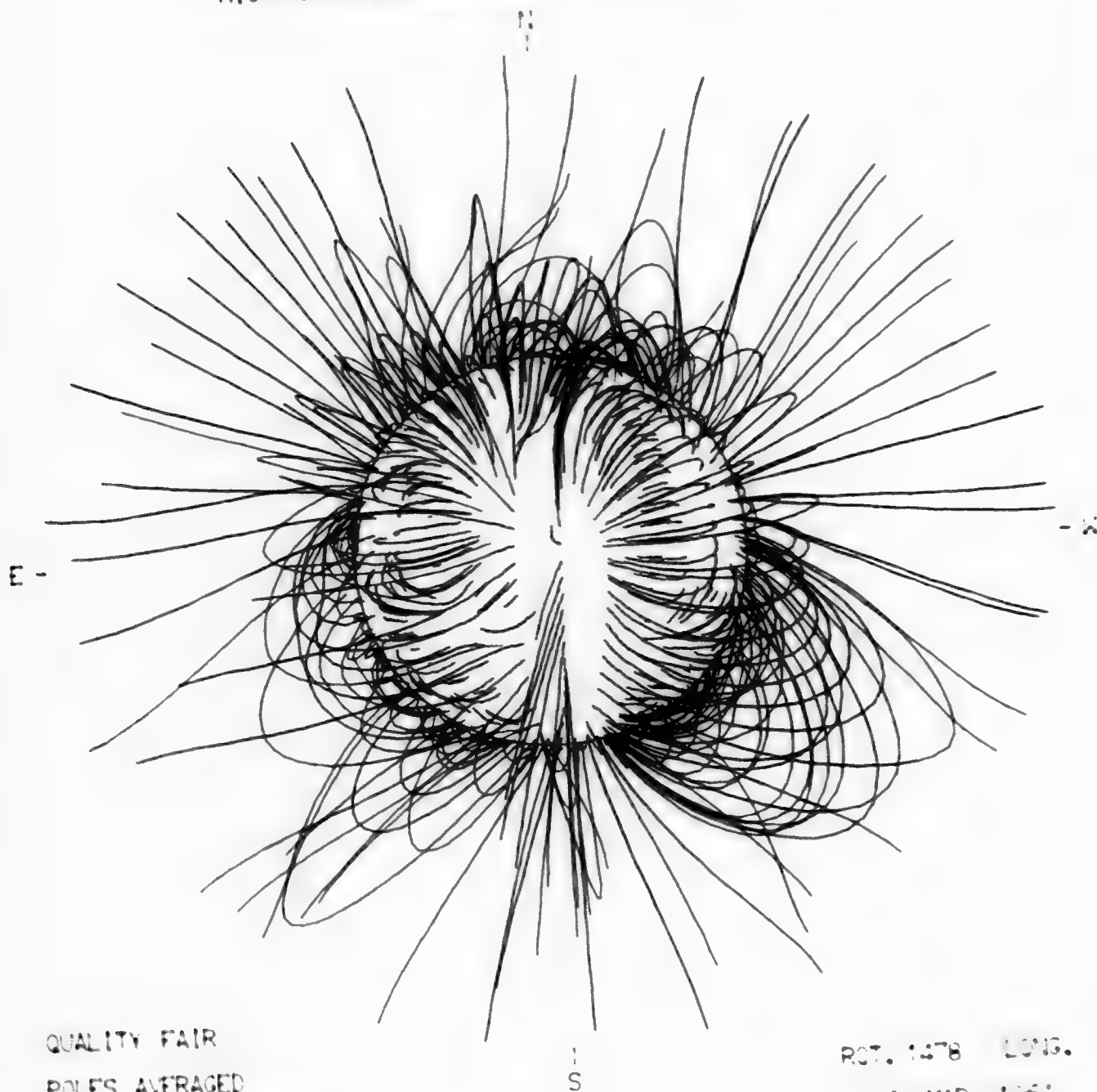
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1478 LONG. 80°
19.8 MAR 1962

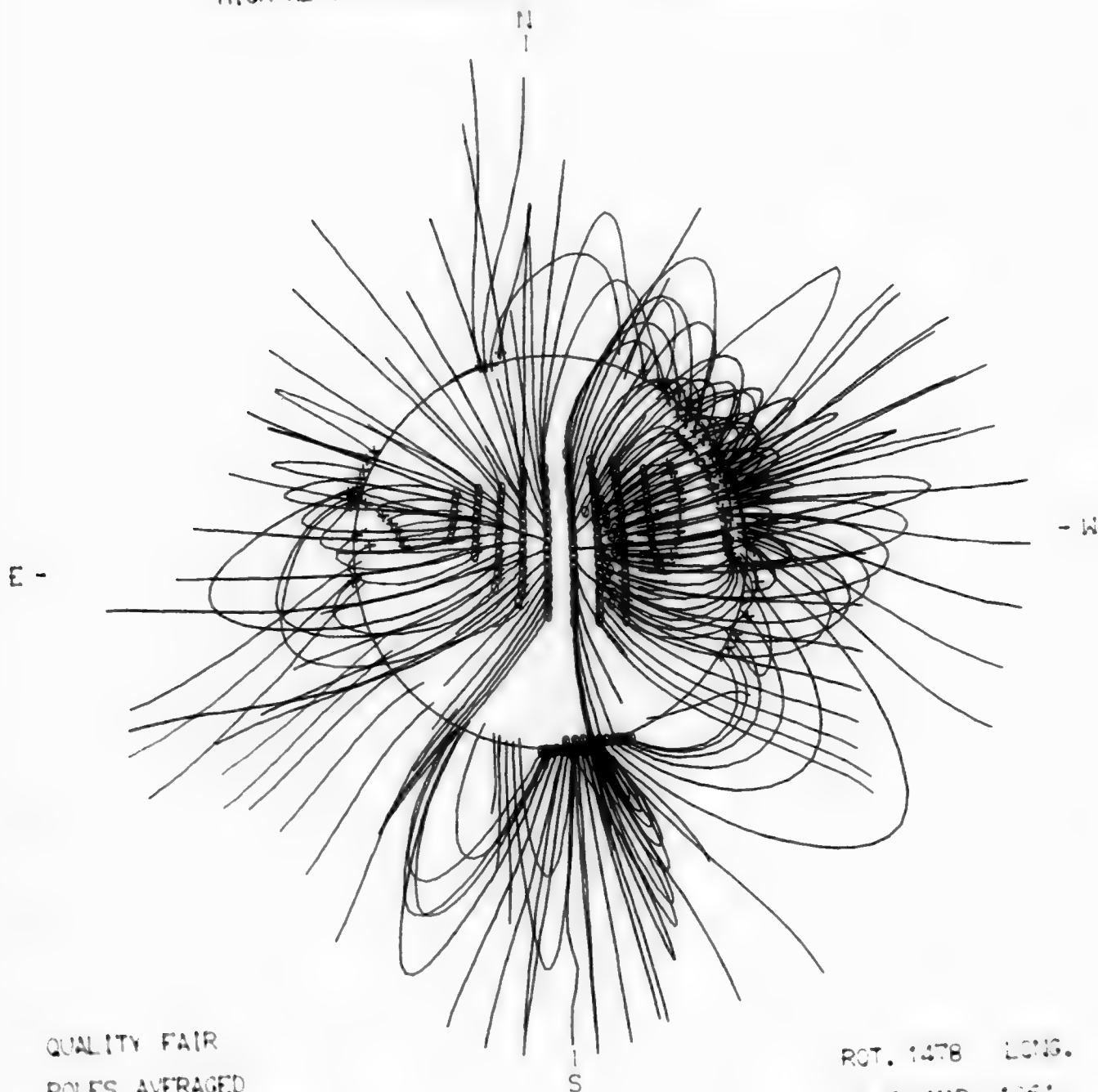
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1478 LONG. 70°
20.6 MAR 1964

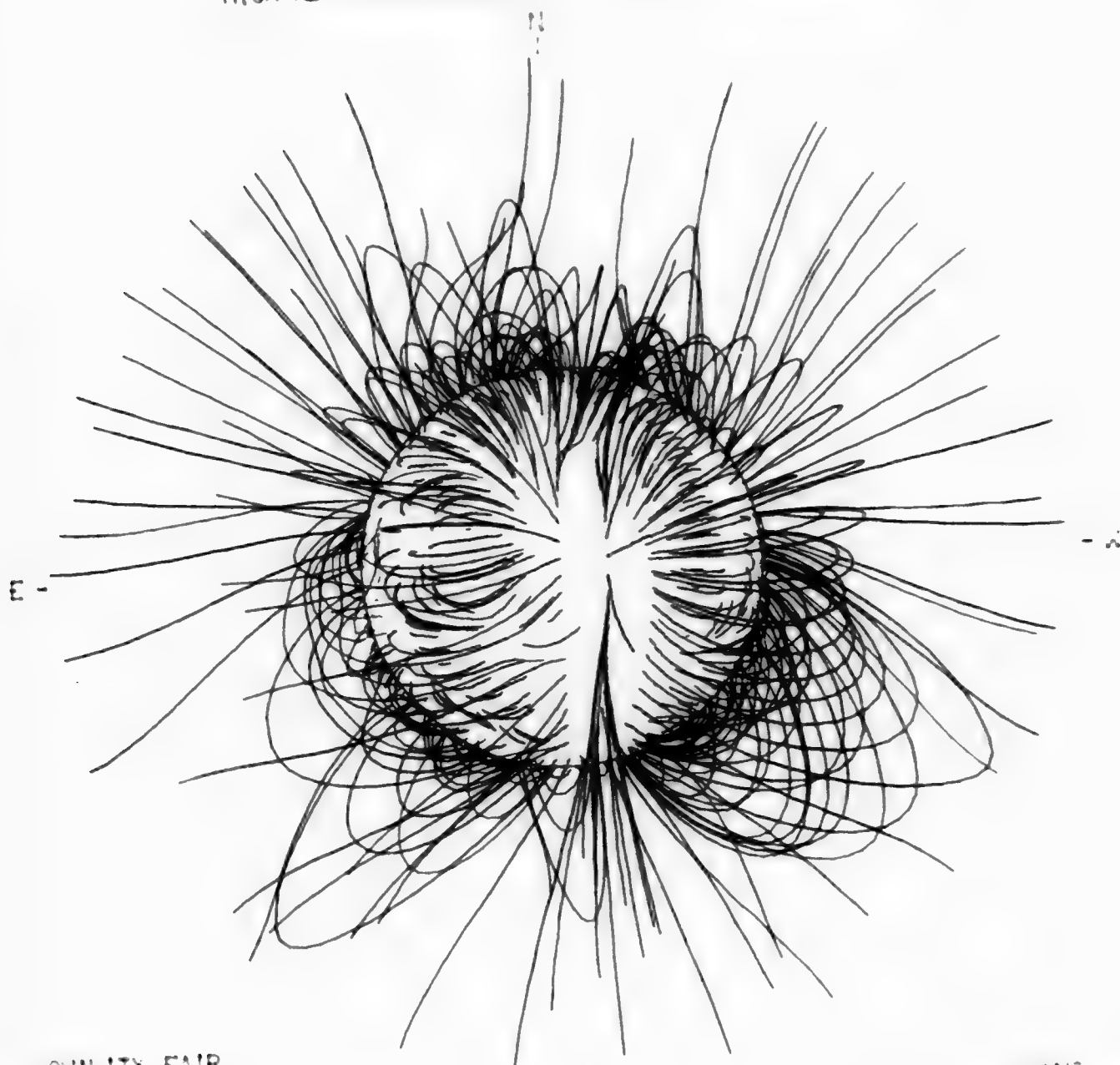
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1.478.47

ROT. 1.478 LONG. 70°
20.6 MAR 1964

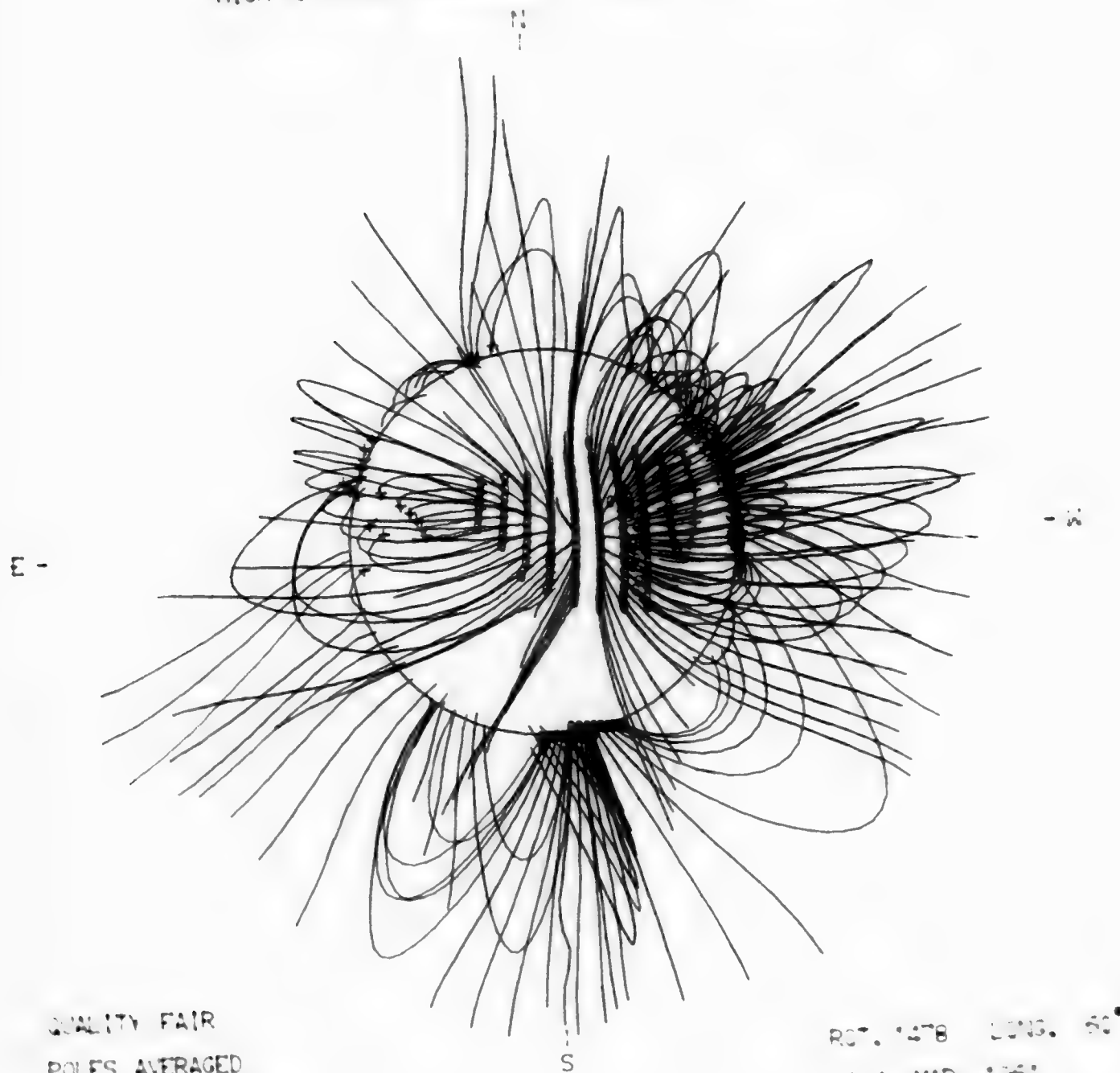
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1478 LONG. 60°
21.4 MAR 1964

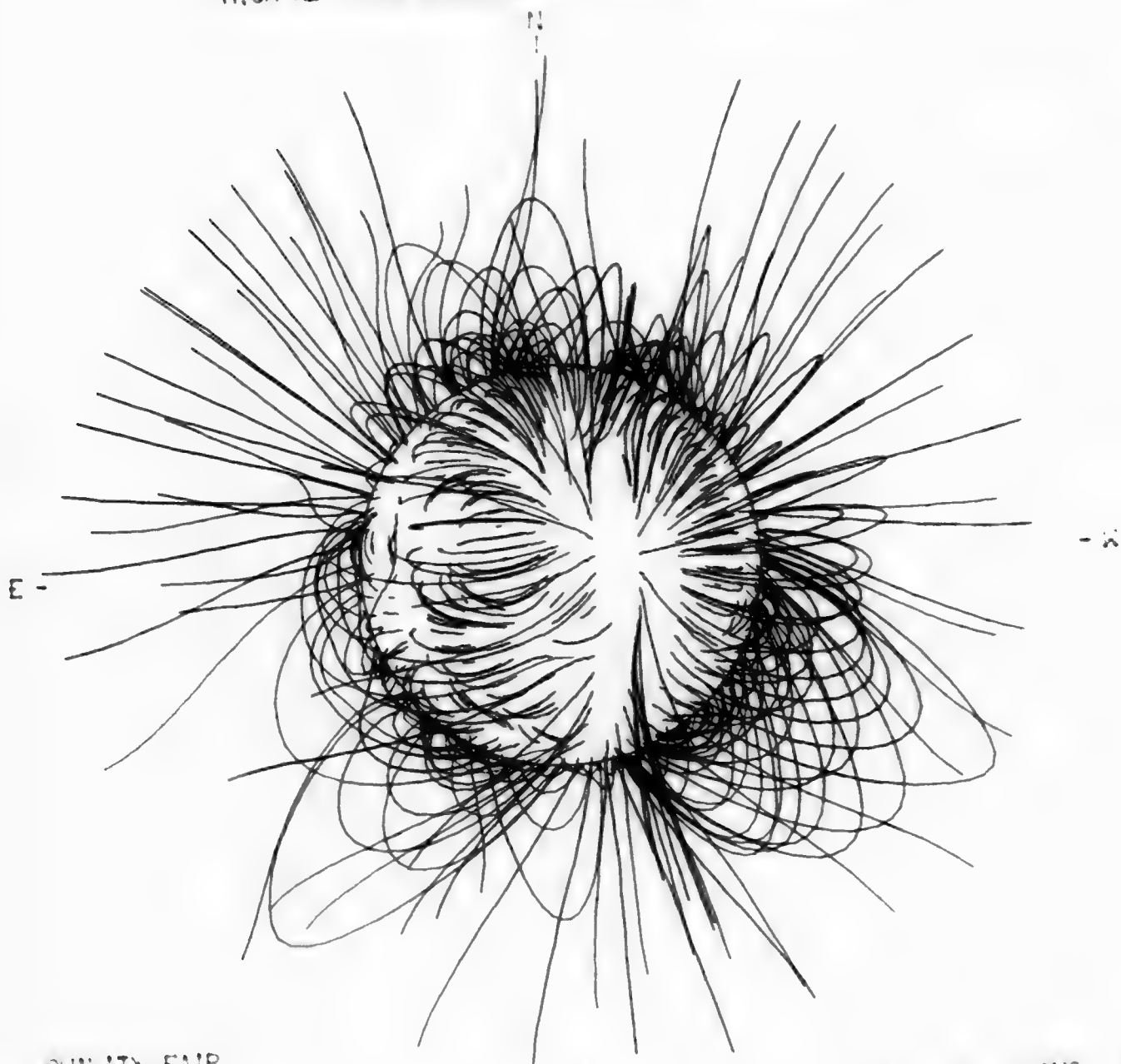
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1478 LONG. 60°
21.4 MAR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

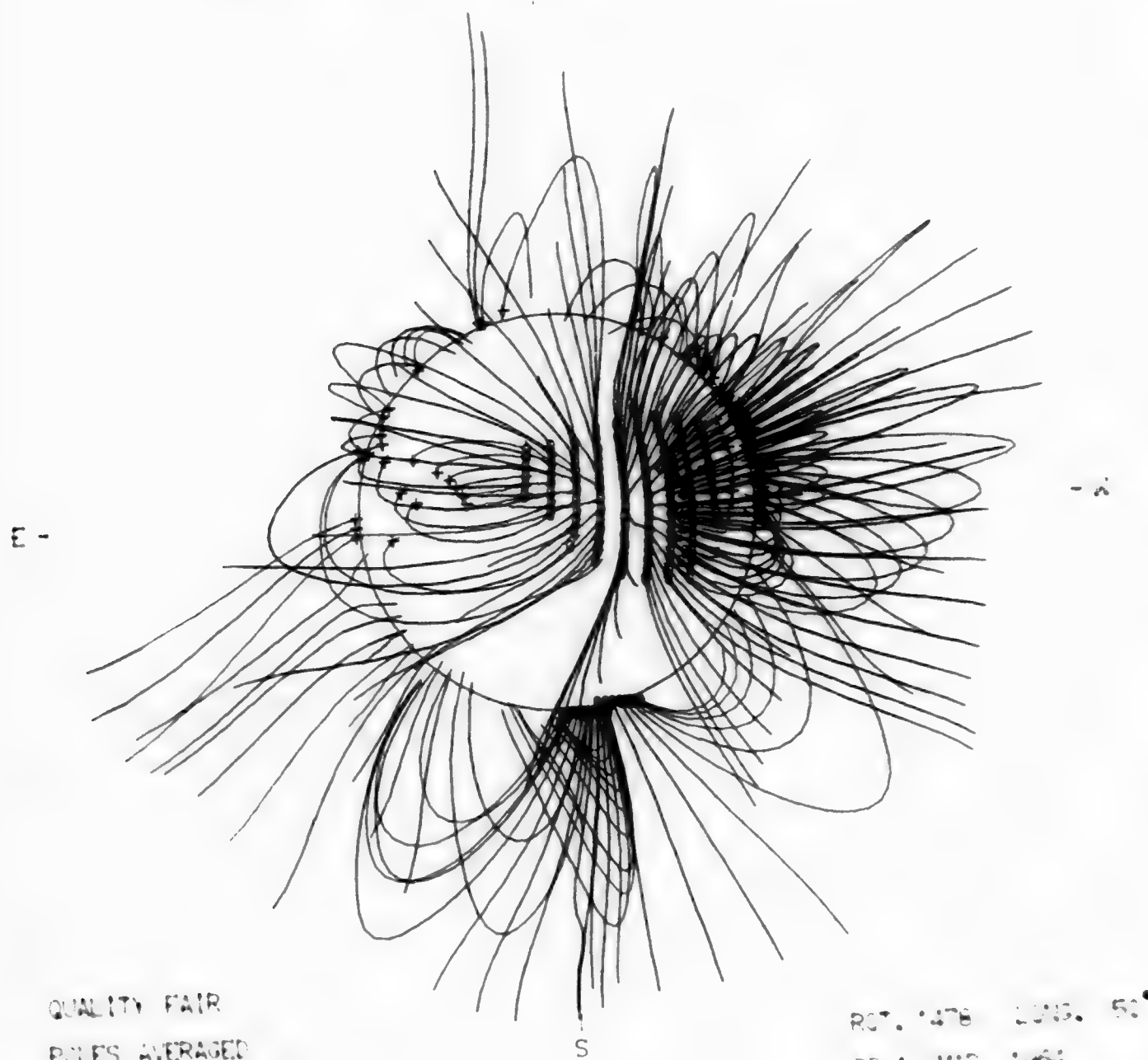


QUALITY FAIR
 POLES AVERAGED
 DATA WINDOW 1478.47

S

RCT. 1478 2016. 51°
 22.1 MAR 1964

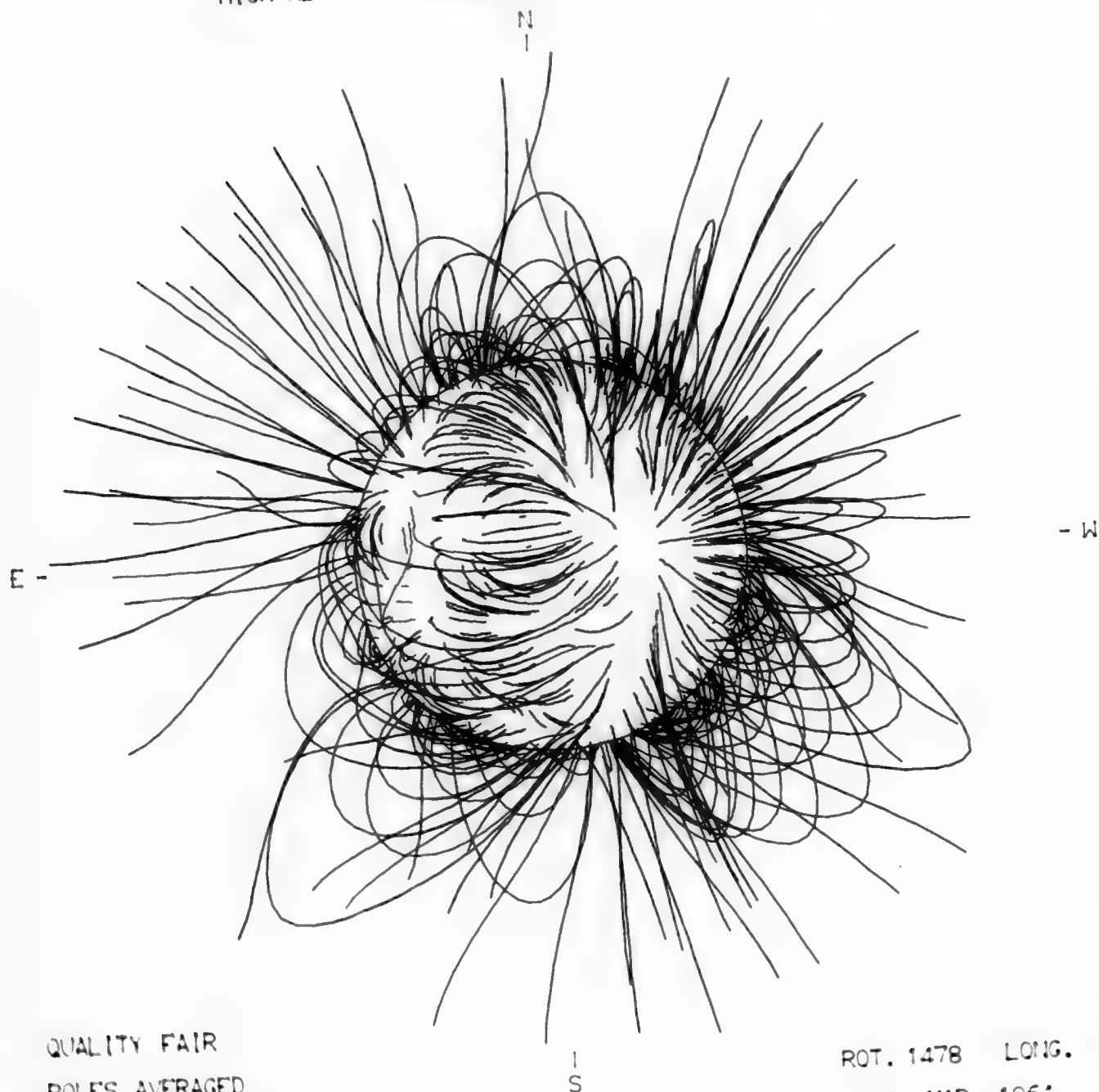
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 POLES AVERAGED
 DATA WINDOW 1478.47

ROT. 1478 LONG. 50°
 22.1 1478 1478

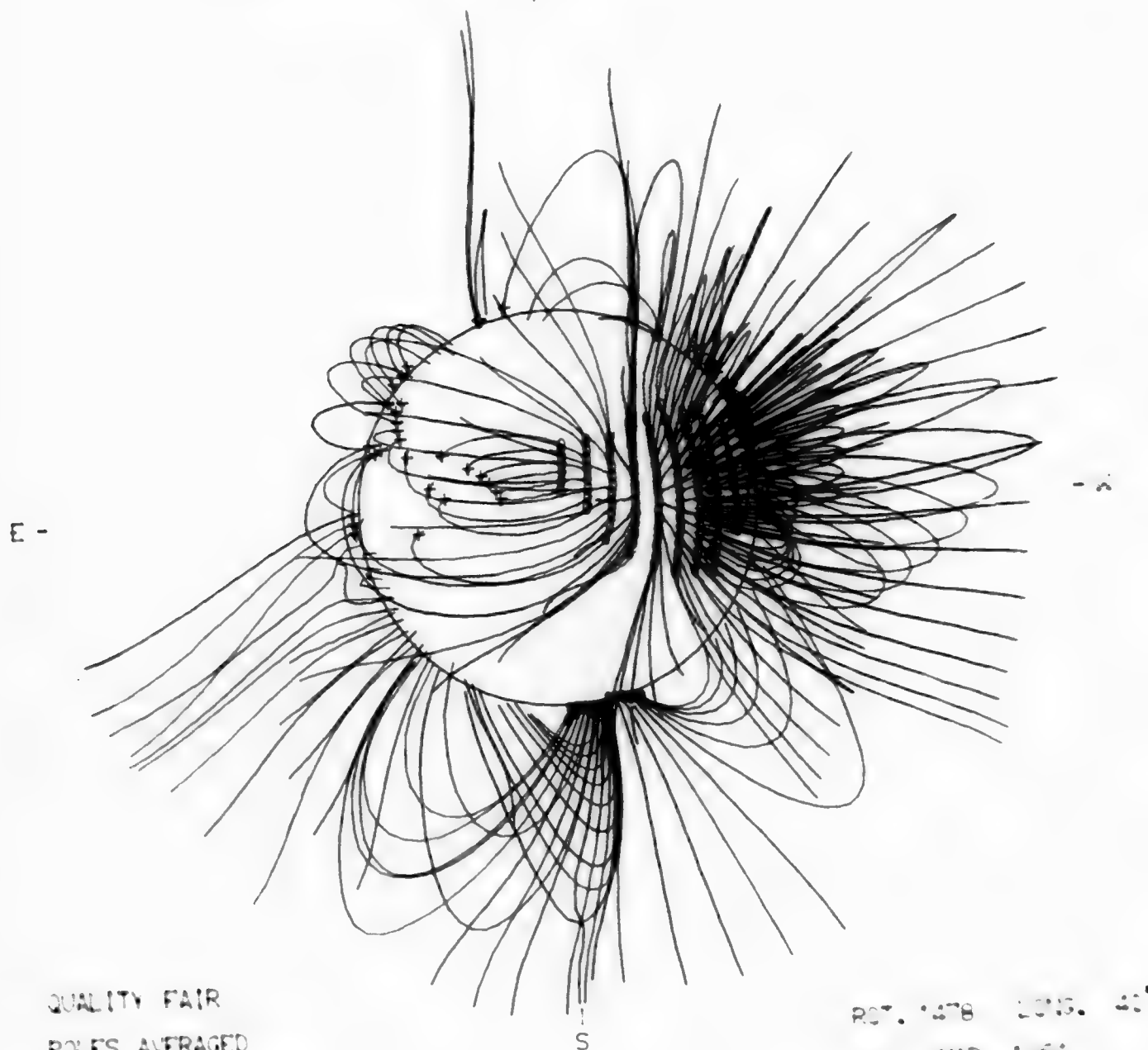
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1478 LONG. 40°
22.9 MAR 1964

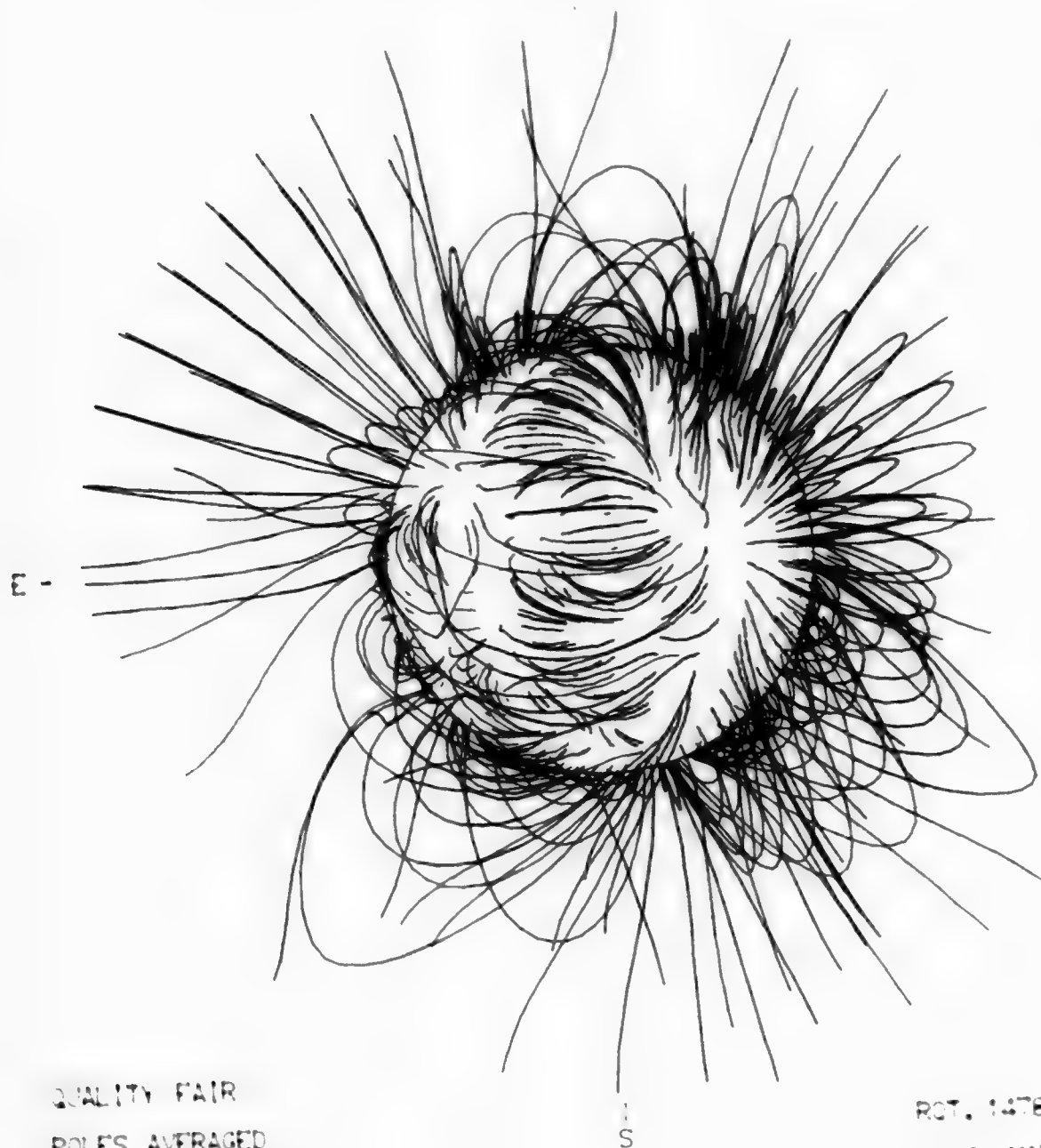
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1478 1015. 41°
22.9 MAR 1962

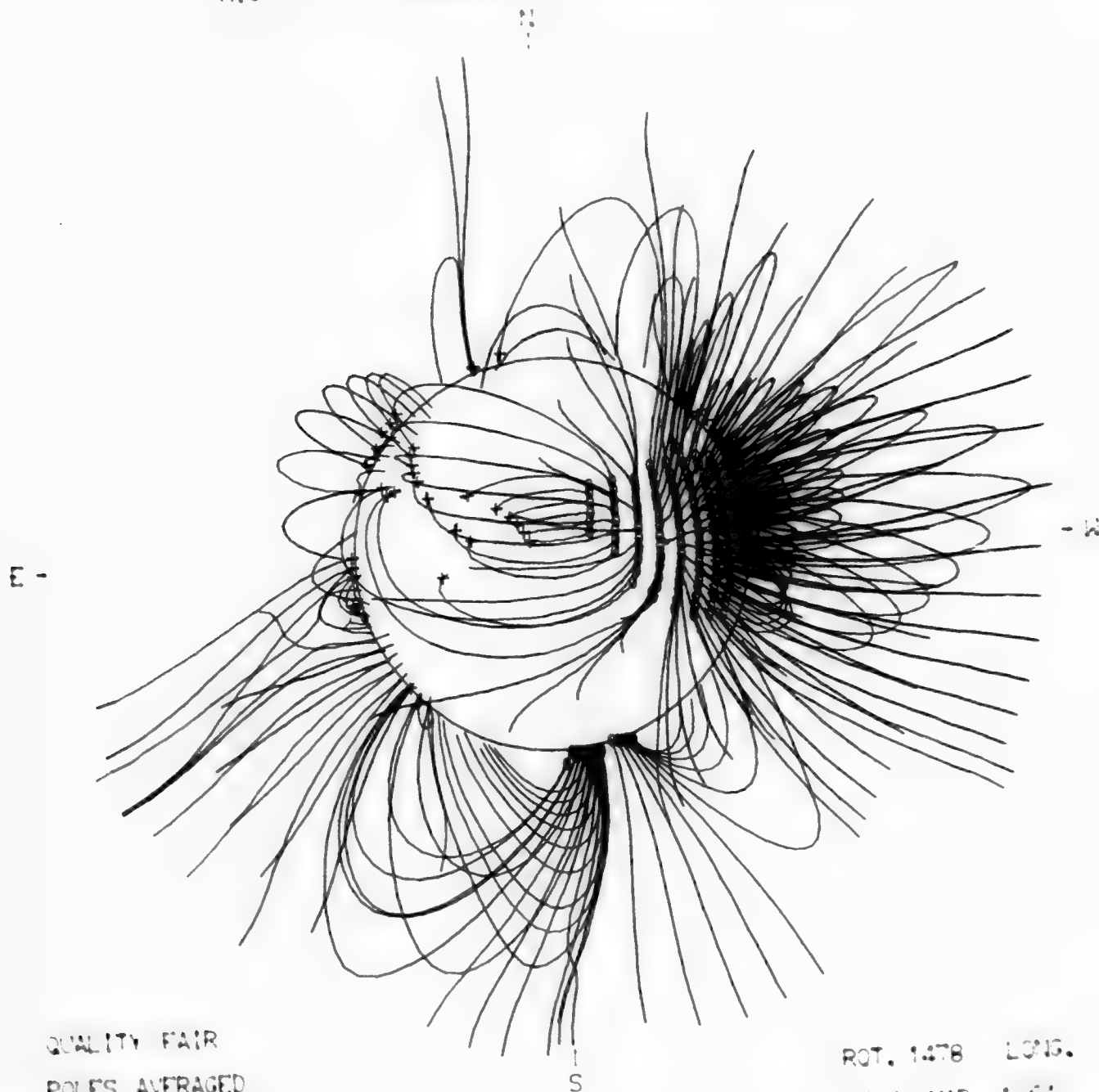
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1478 LONG. 30°
23.6 MAR 1964

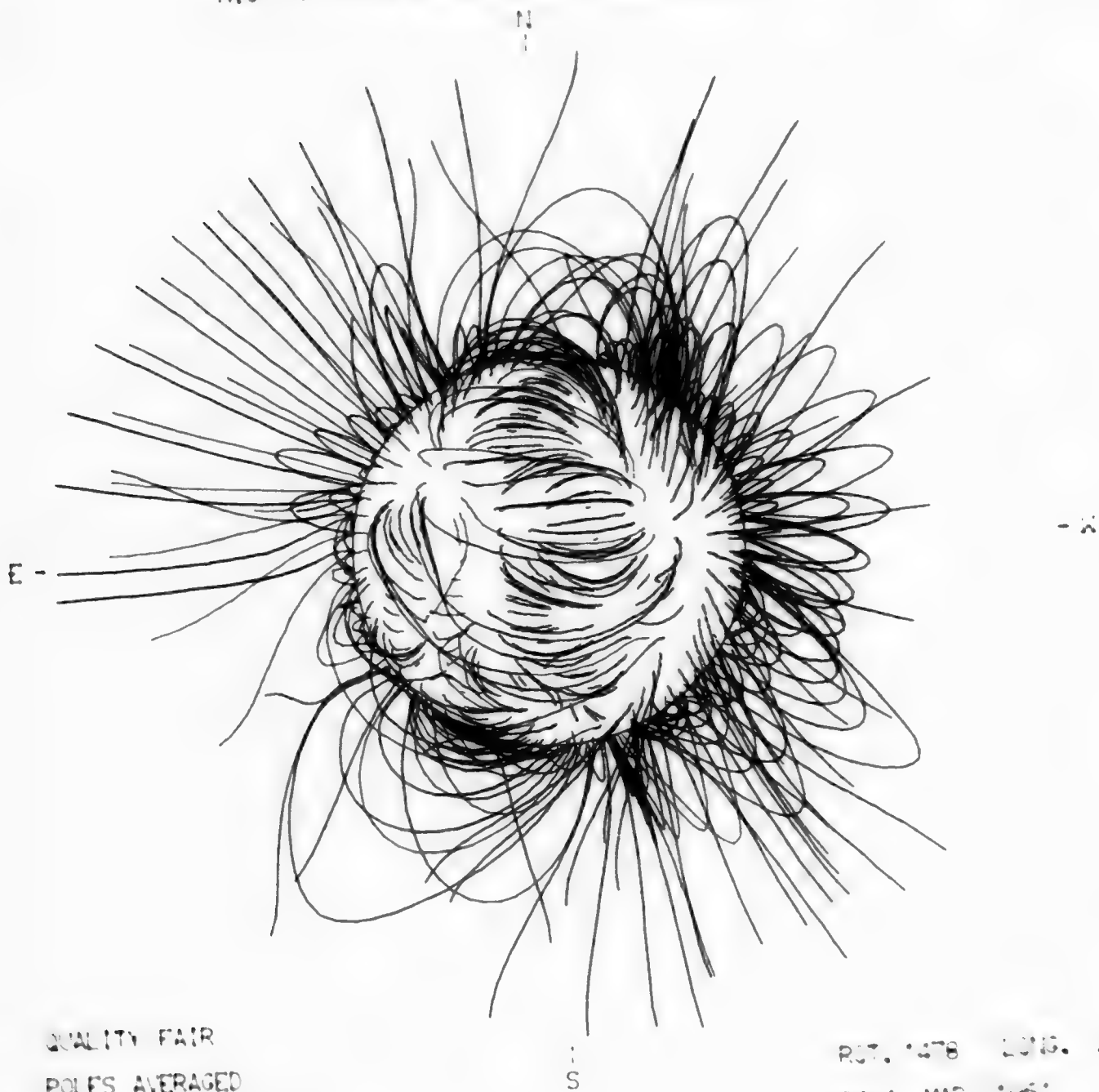
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1.478.47

ROT. 1.478 LONG. 30°
23.6 MAR 1964

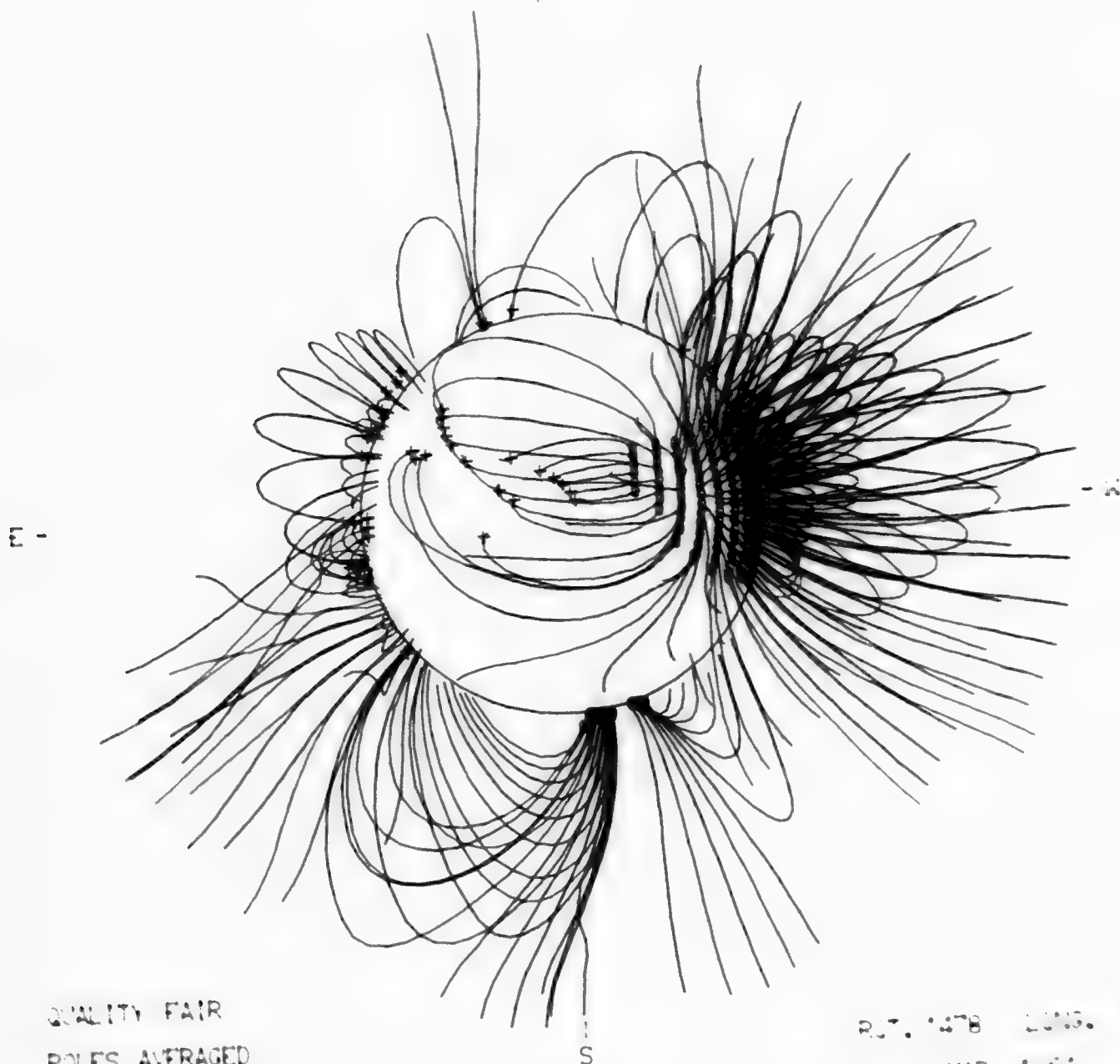
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

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24.4 MAR 1964

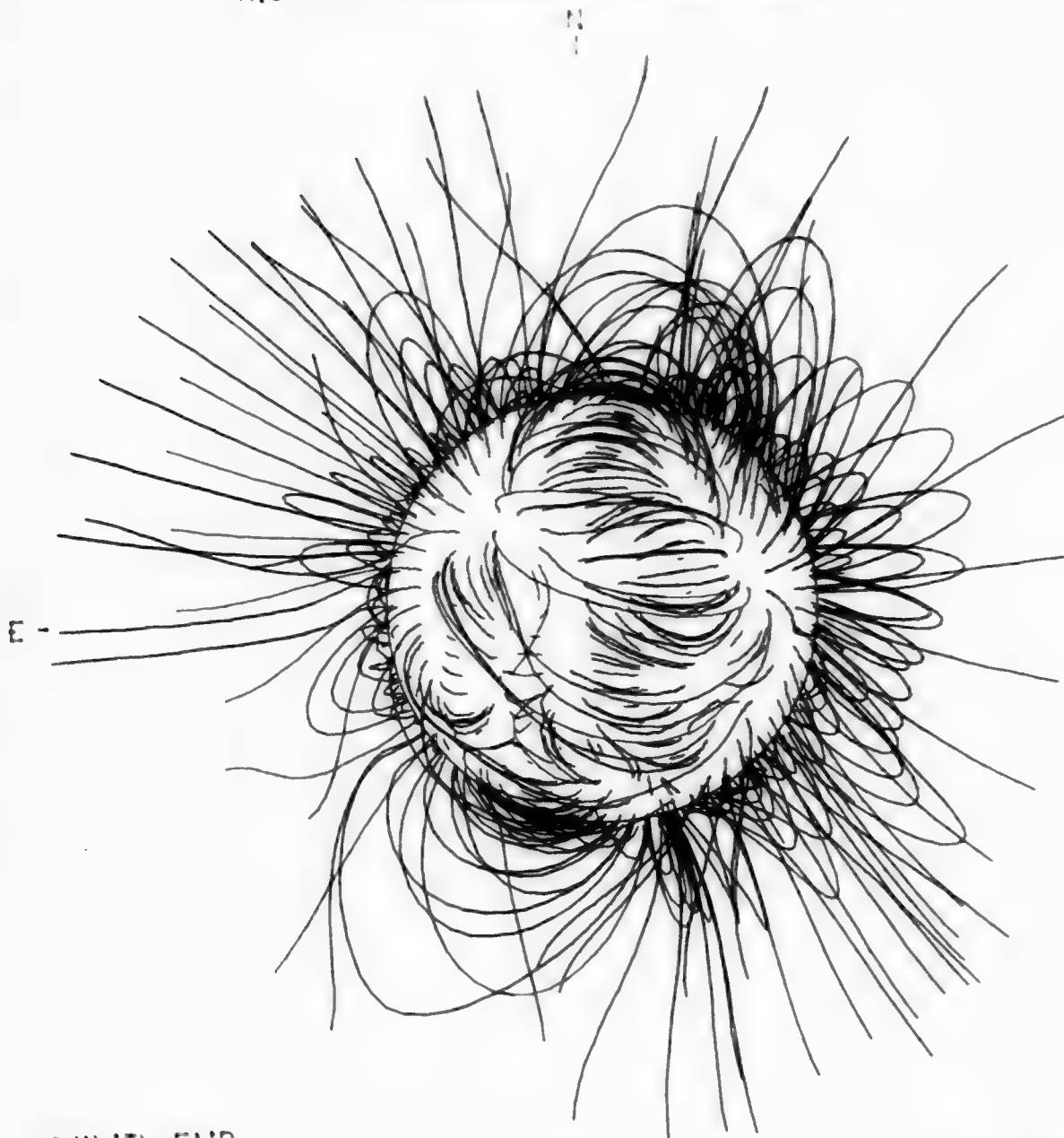
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1.478.47

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24.4 MAR 1966

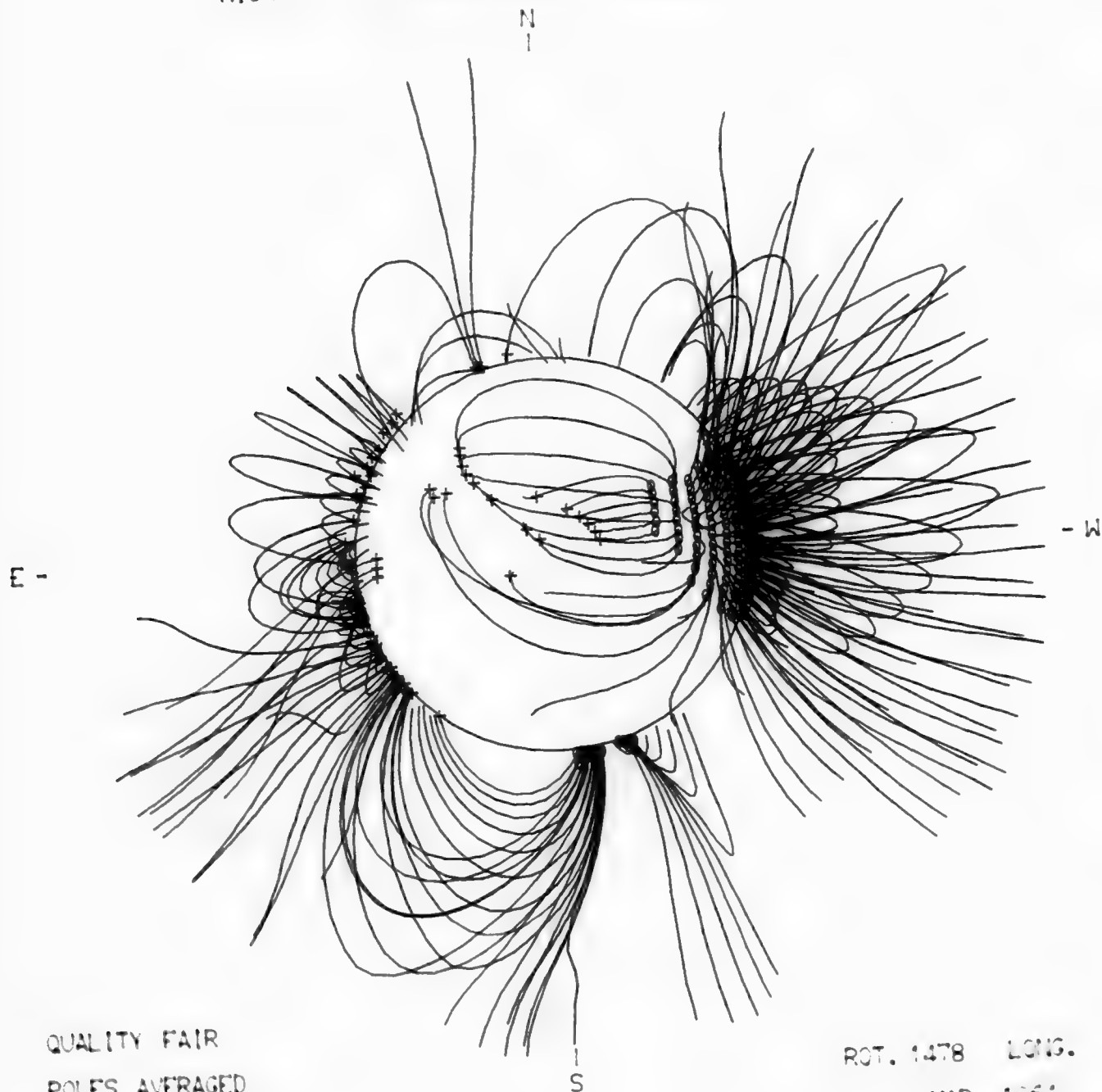
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1478 LONG. 10°
25.1 MAR 1964

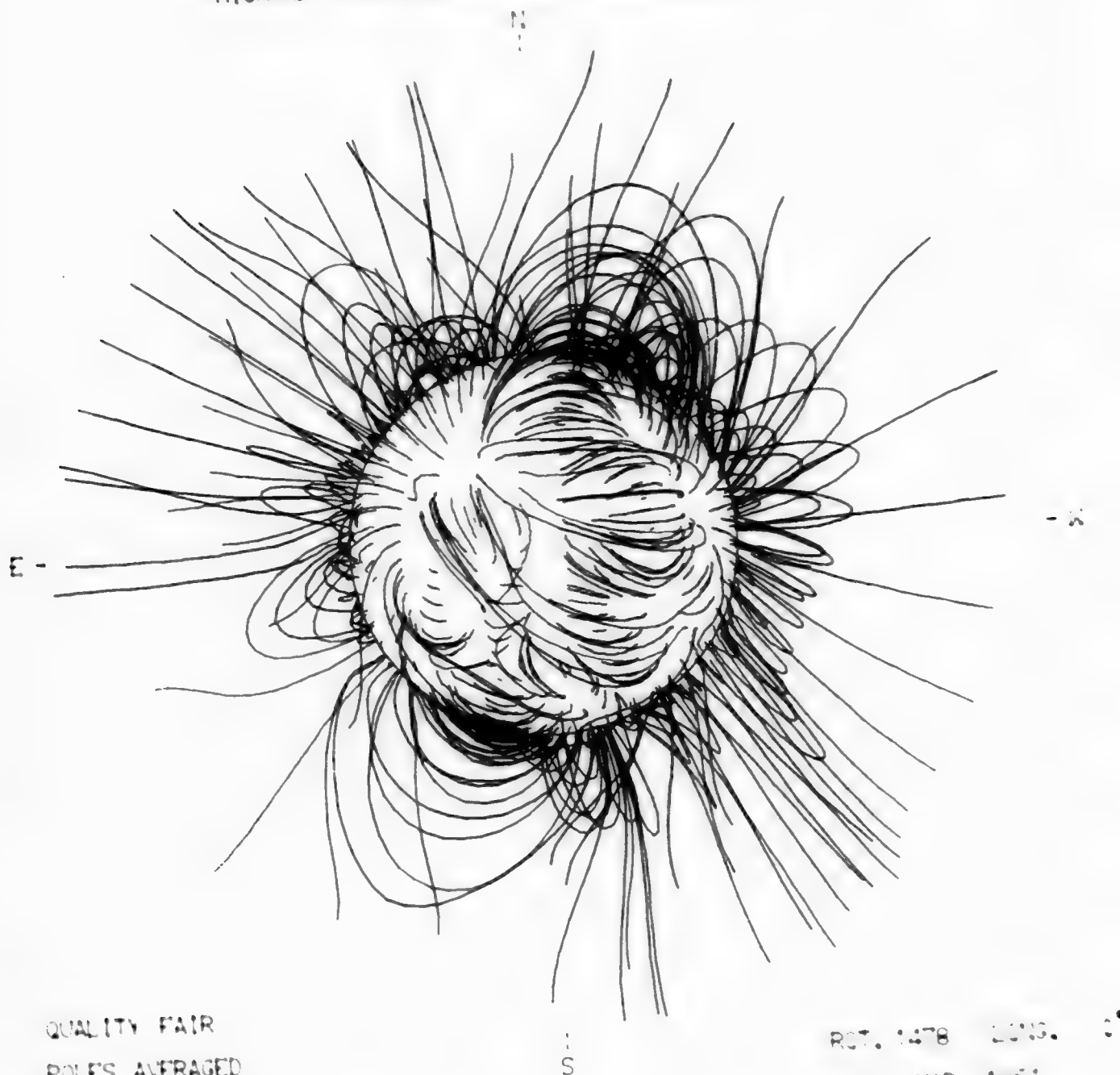
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1.478.47

ROT. 1.478 LONG. 10°
25.1 MAR 1964

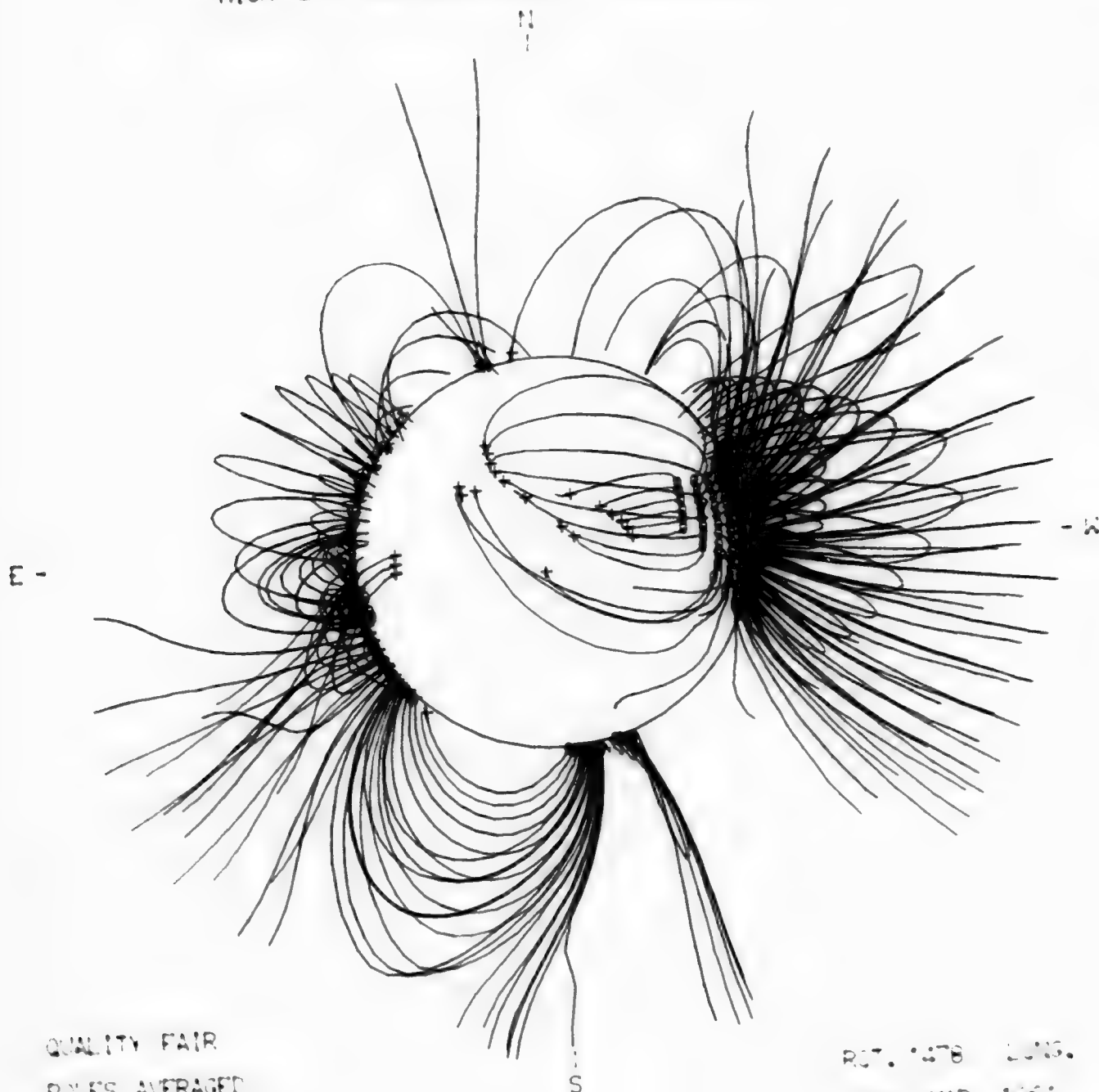
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1478 LONG. 0°
25.6 MAR 1964

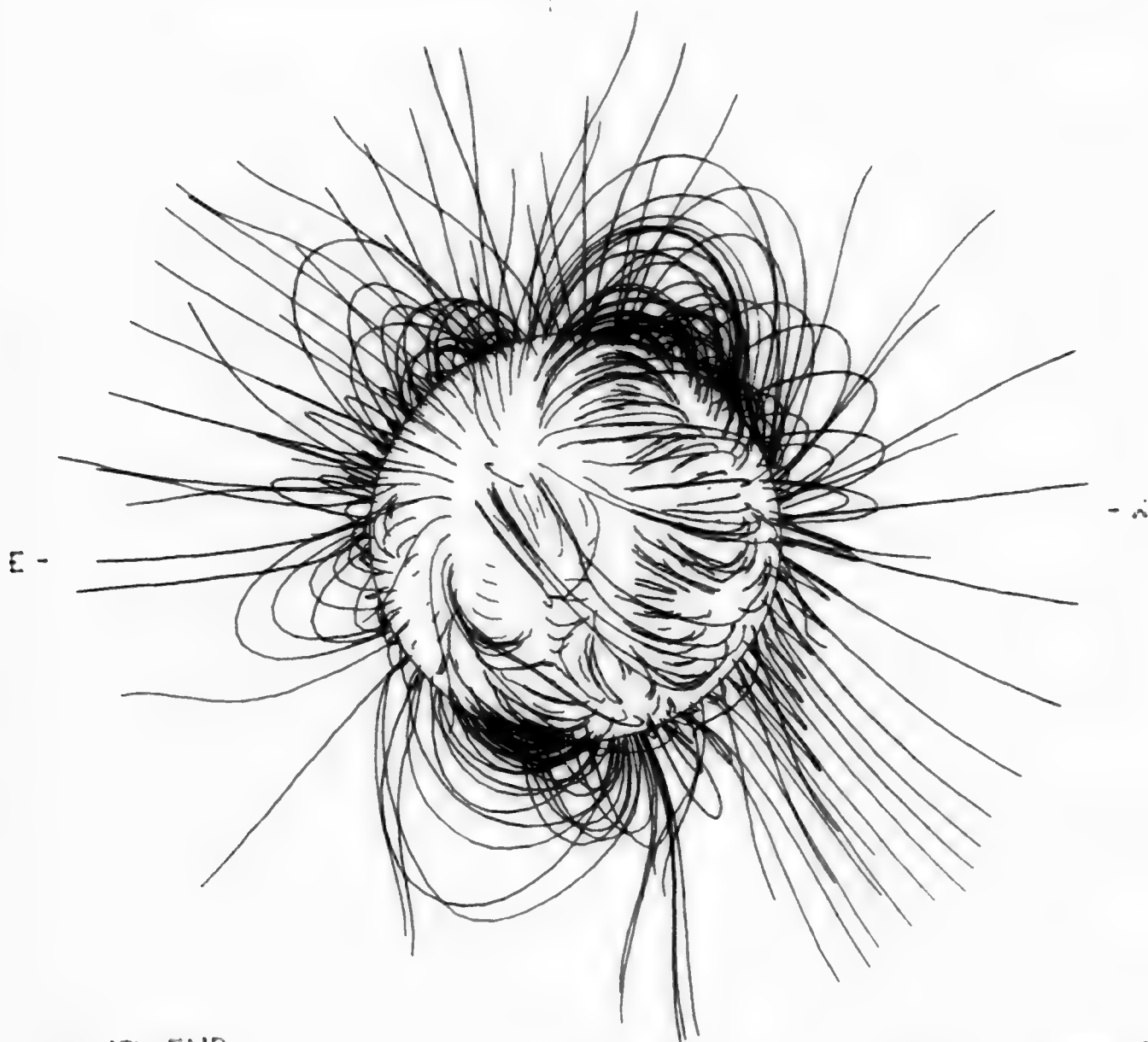
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1478 LONG. 0°
25.9 MAR 1964

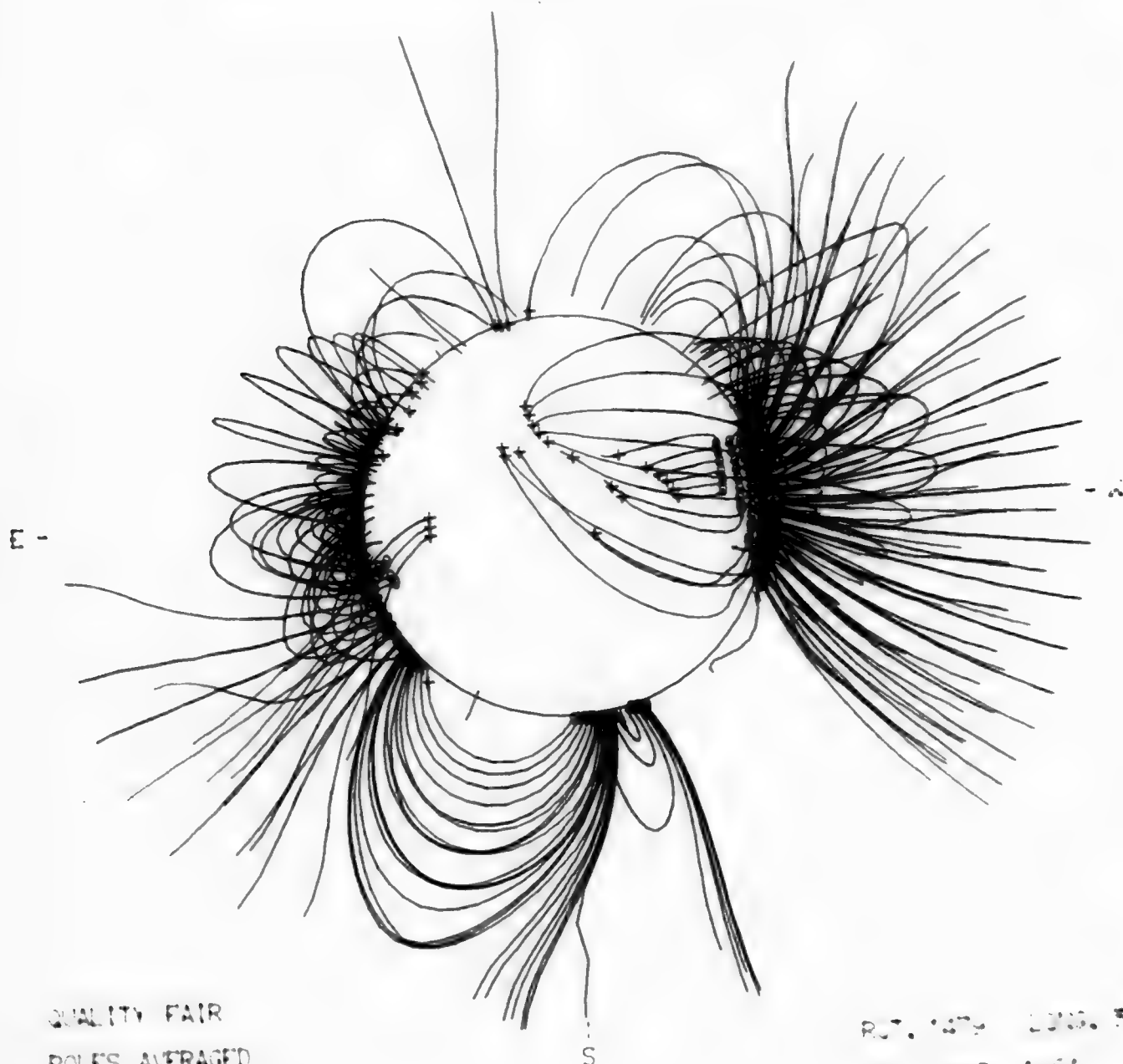
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1.078.47

ROT. 127.4 LONG. 35.1
26.7 MAR 1964

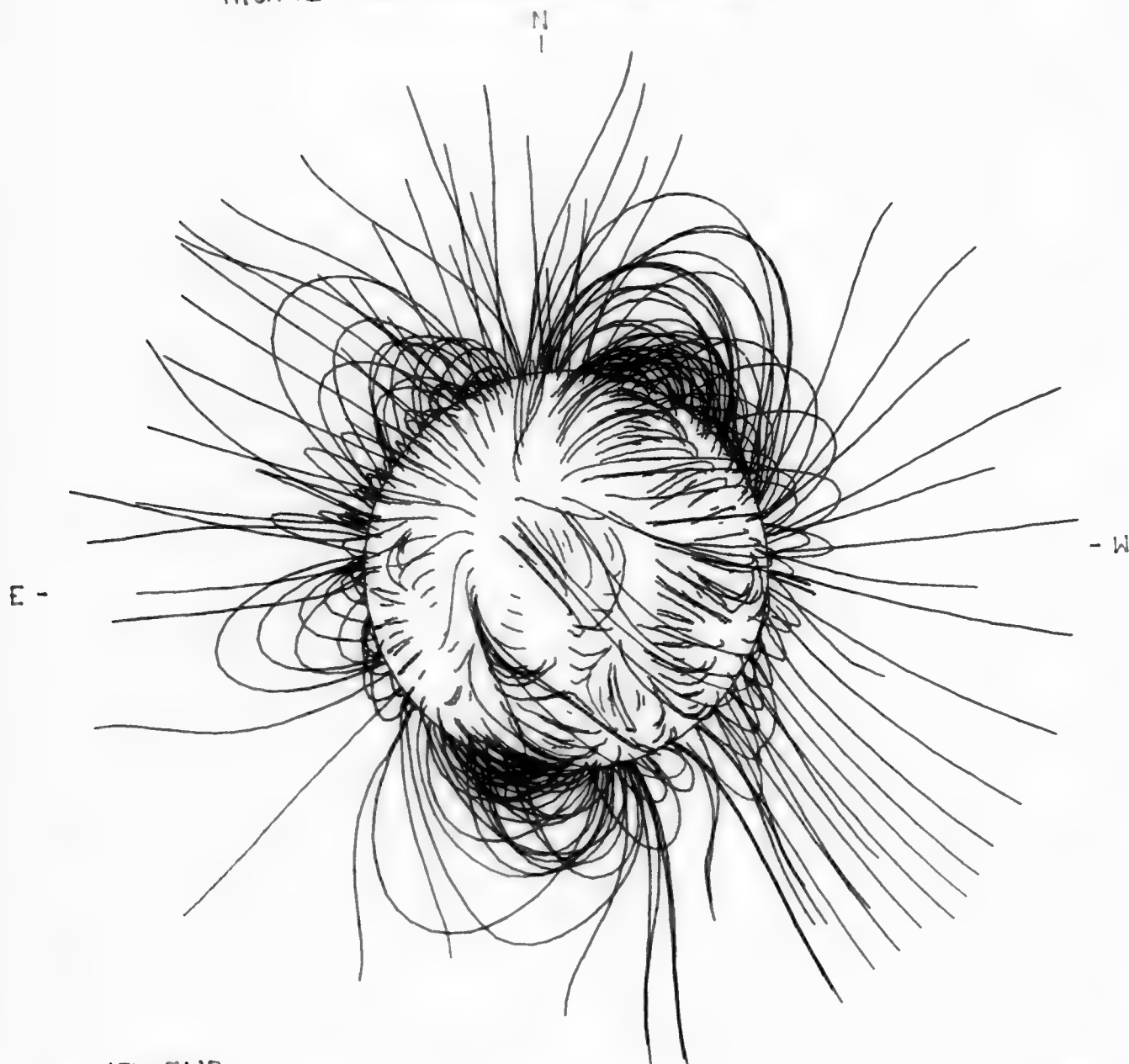
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

RUT. 1979 JUN. 25C
26.7 MAR 1979

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

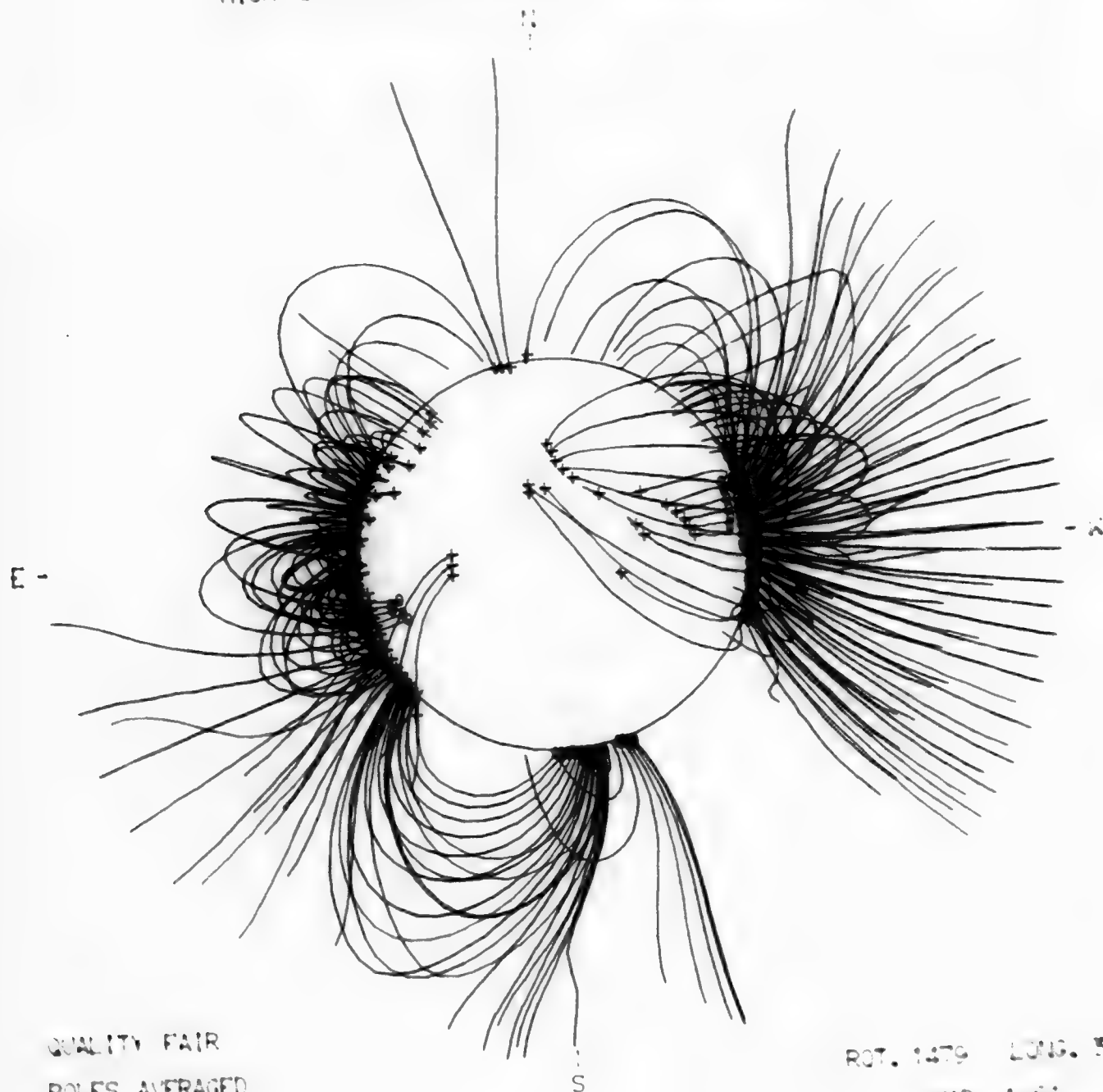


QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

1
S

ROT. 1479 LONG. 340°
27.4 MAR 1964

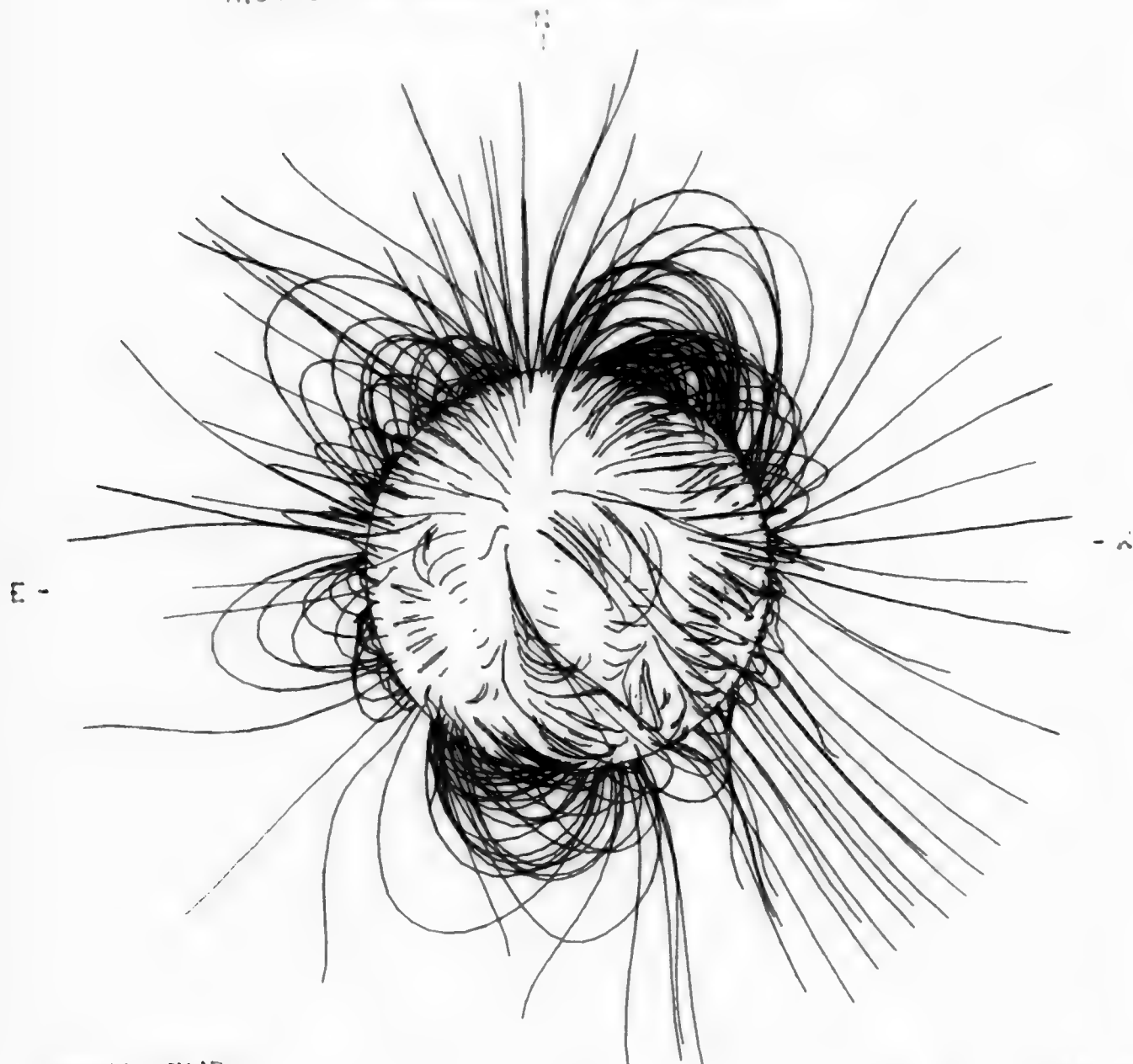
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1.478.47

ROT. 1.479 LONG. 341°
27.4 MAP 1.478

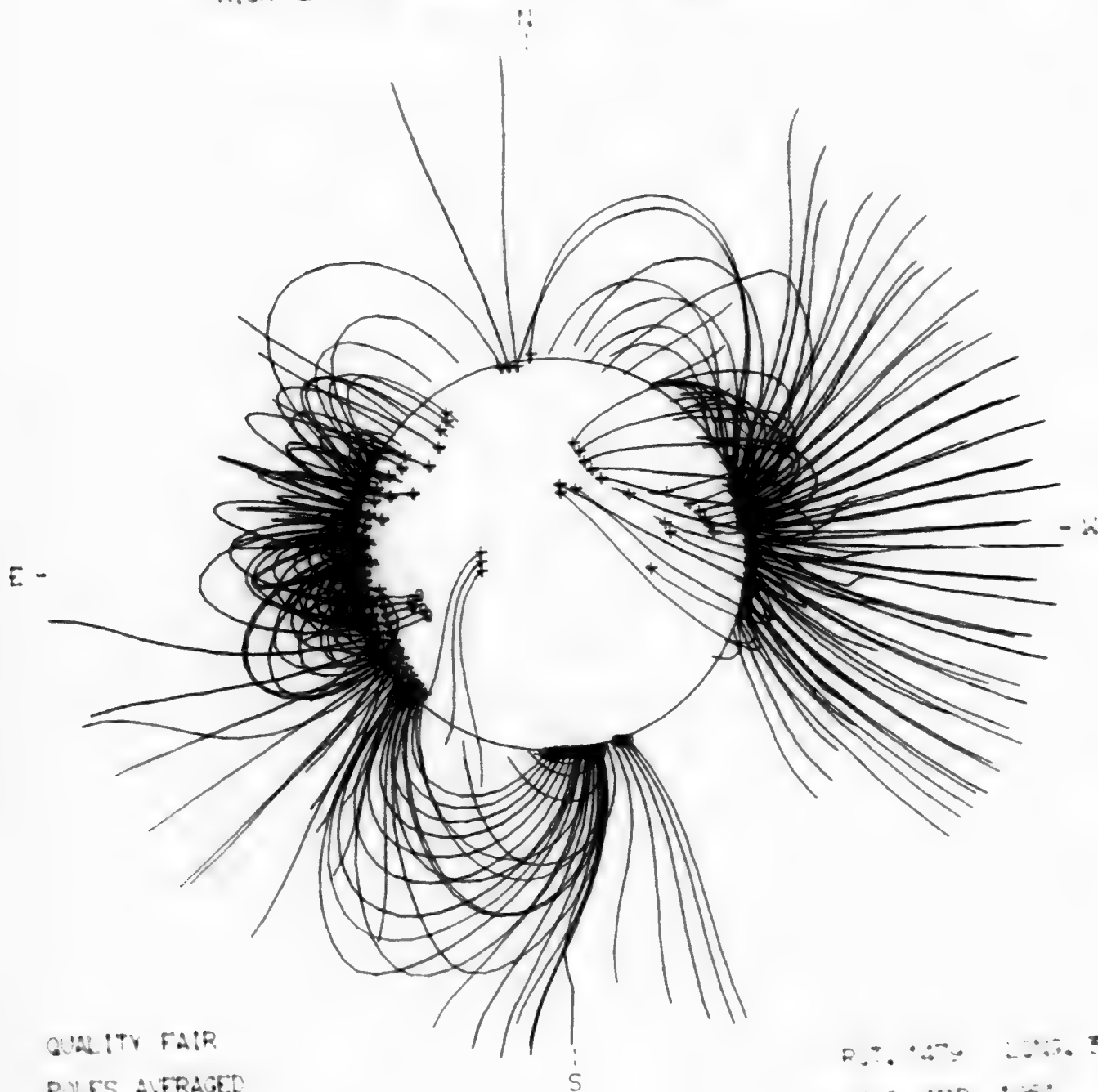
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 POLES AVERAGED
 DATA WINDOW 1478.47

ROT. 1478 2016.55°
 28.2 MAR 1962

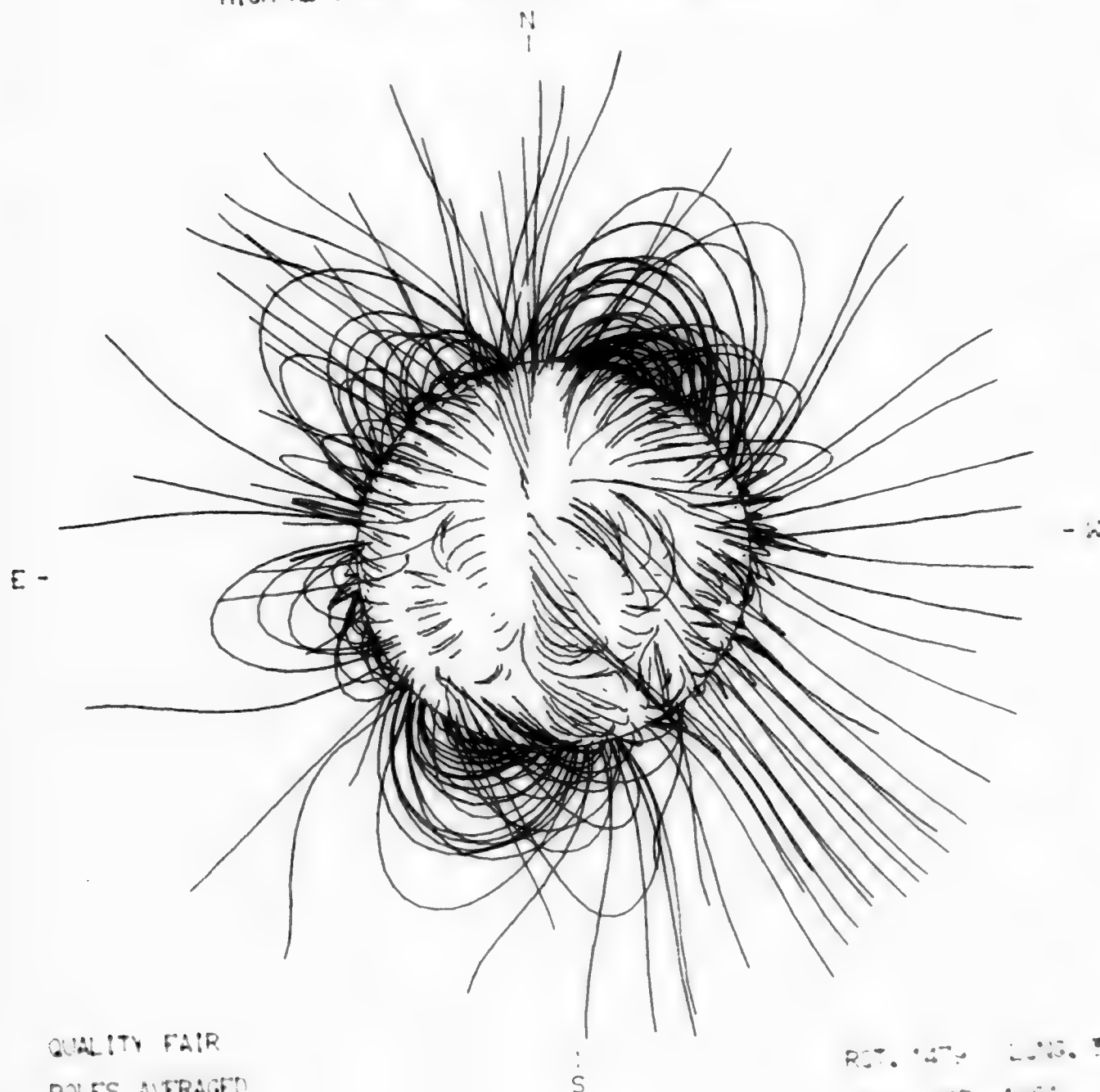
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
 POLES AVERAGED
 DATA WINDOW 1478.47

R.L. 1479 LONG. 550°
 28.2 MAR 1962

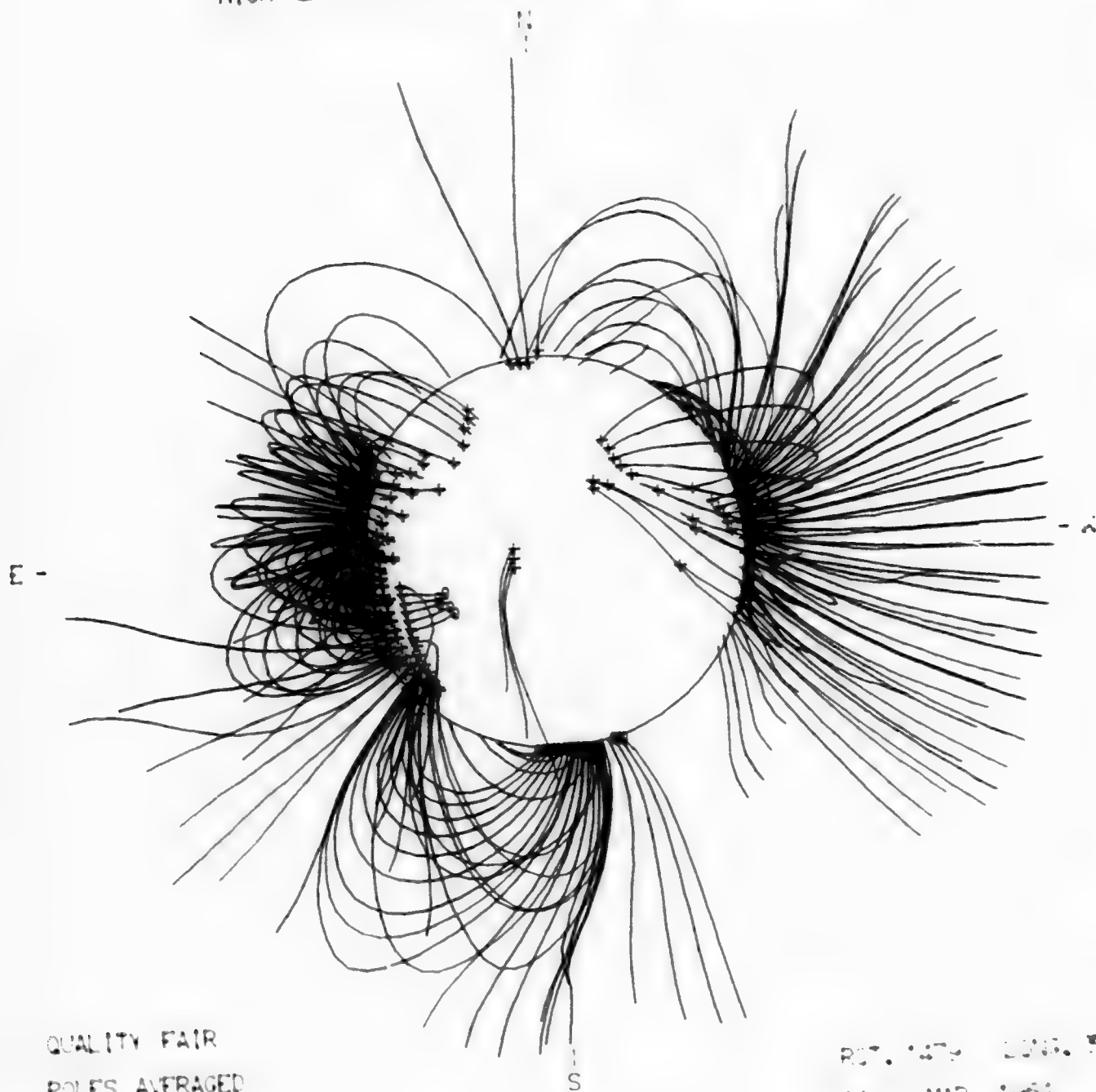
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1478 LONG. 500°
28.4 MAR 1962

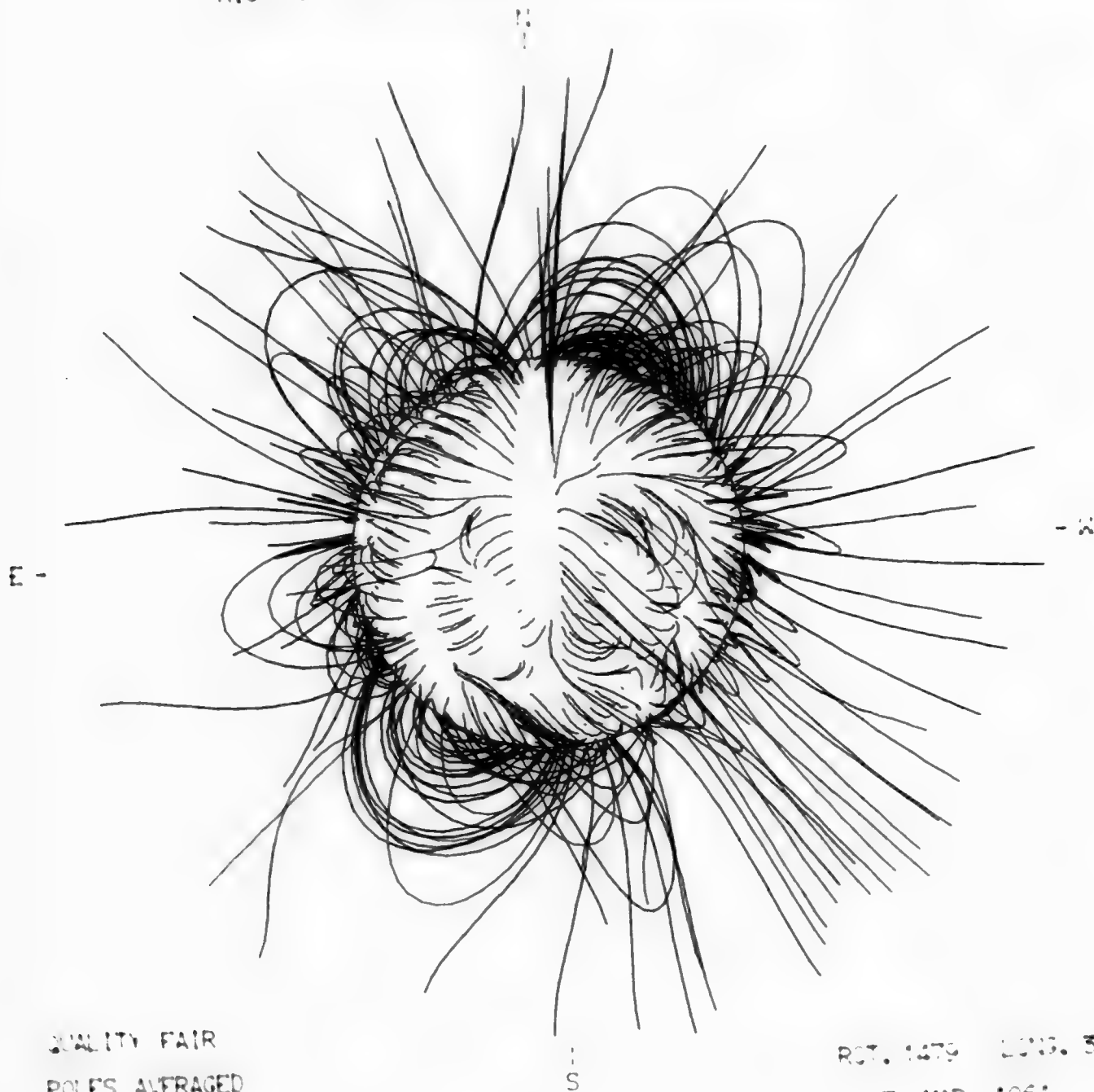
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1479 2000. 1000
28.9 MAR 1964

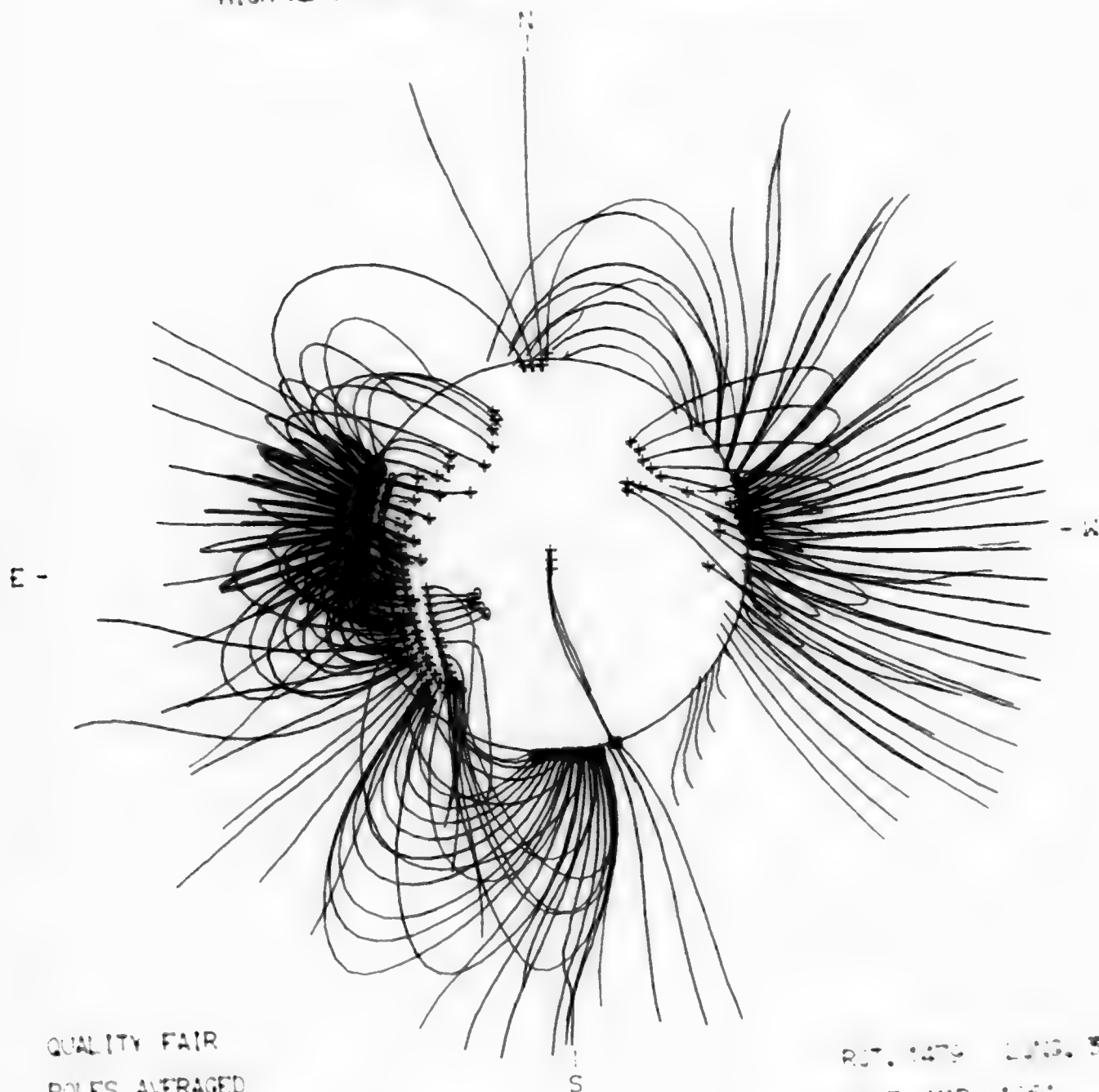
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1479 LONG. 3°0'
29.7 MAR 1964

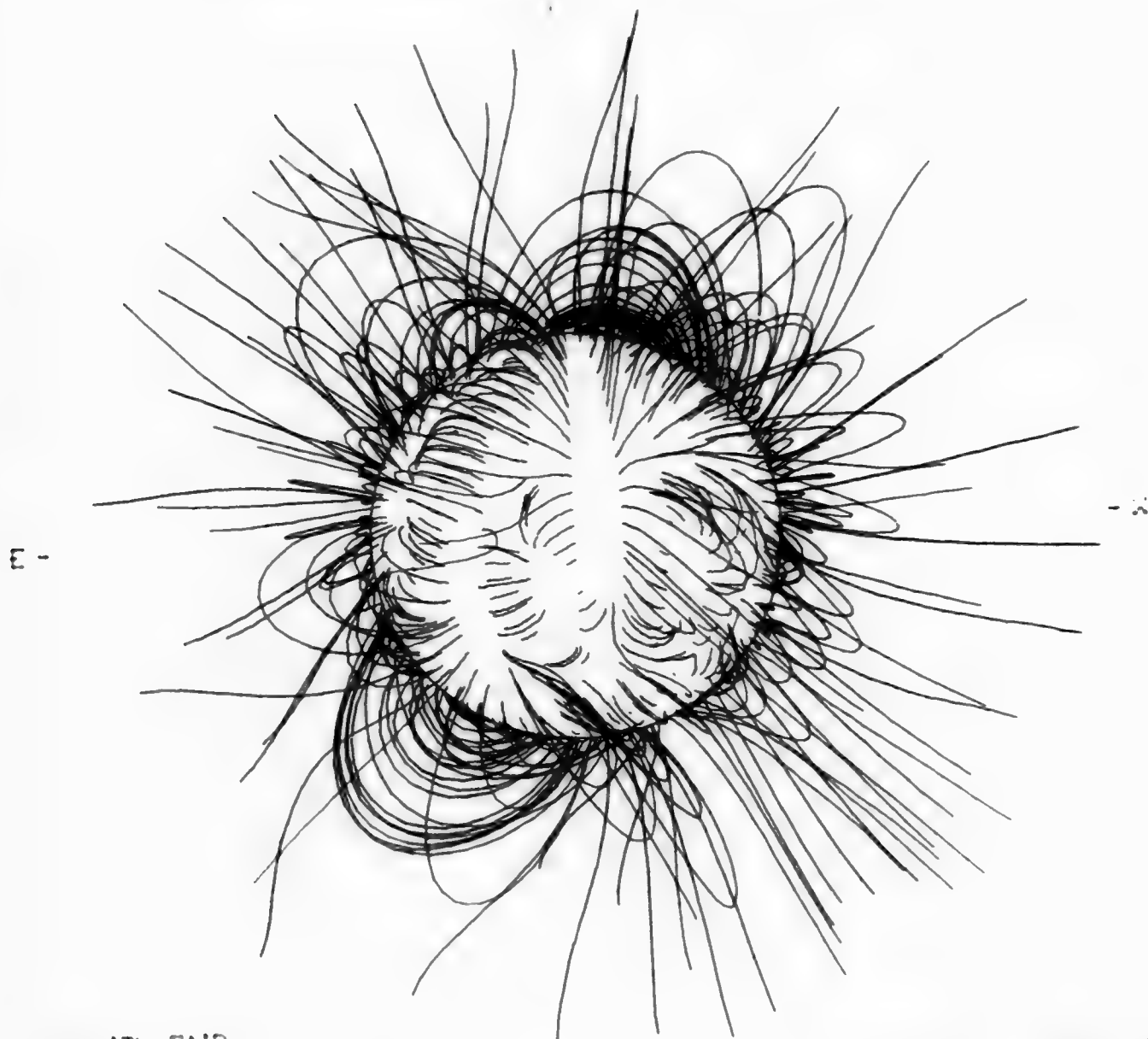
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1479 LING. 5.0°
29.7 MAR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

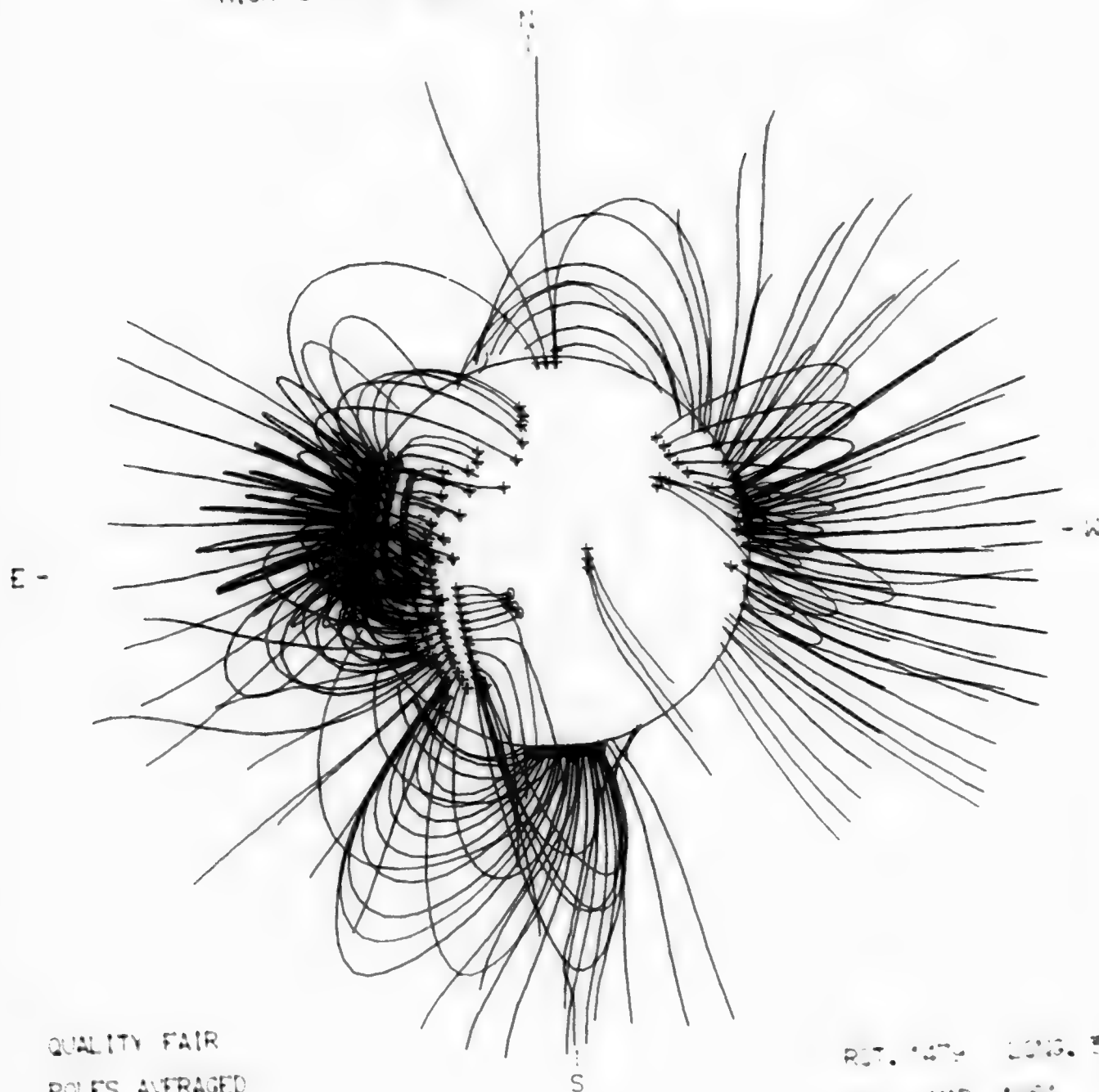


QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

S

ROT. 1479 LONG. 300°
30.4 MAR 1962

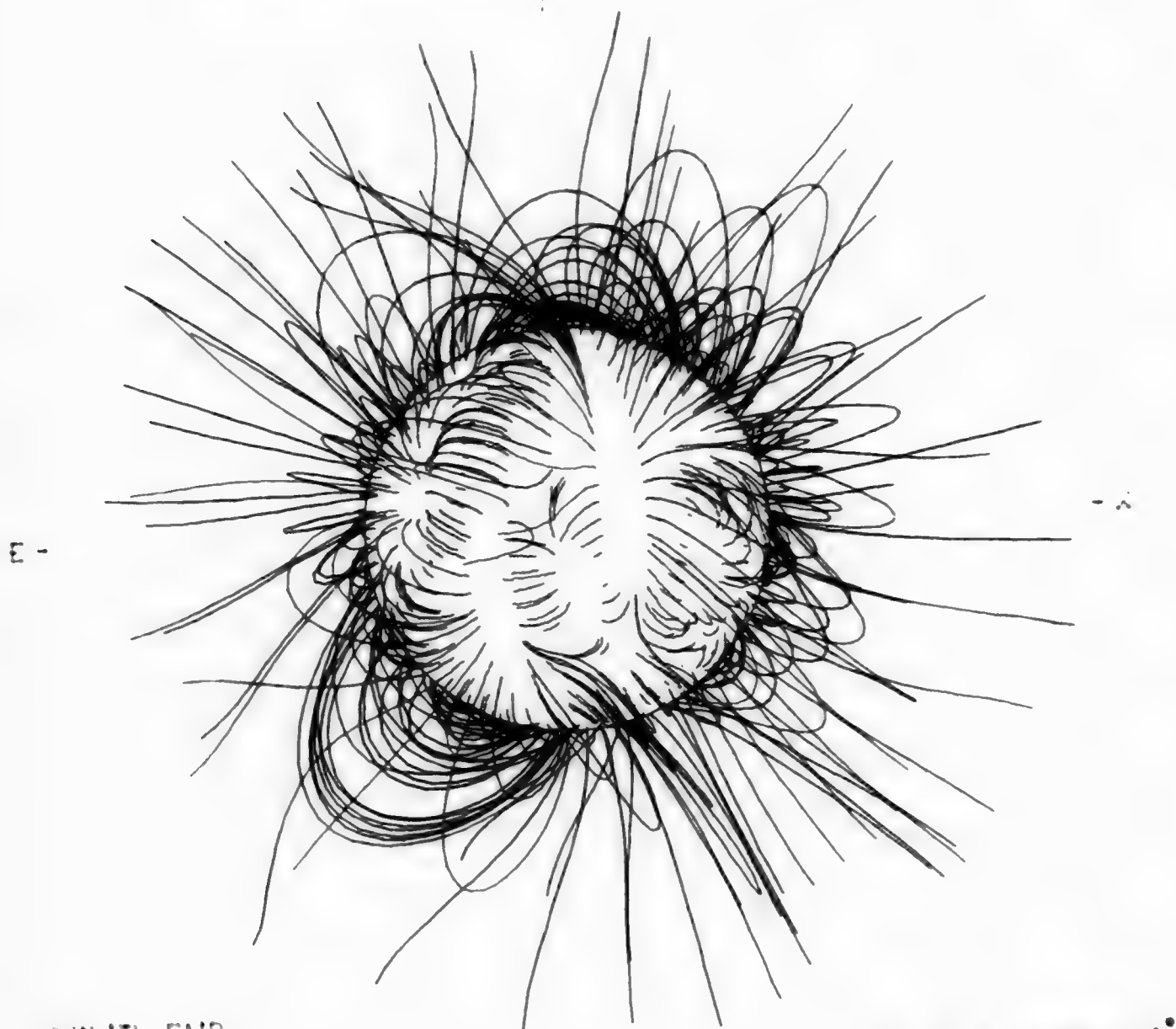
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 107° LONG. 301°
30.4 MAR 1964

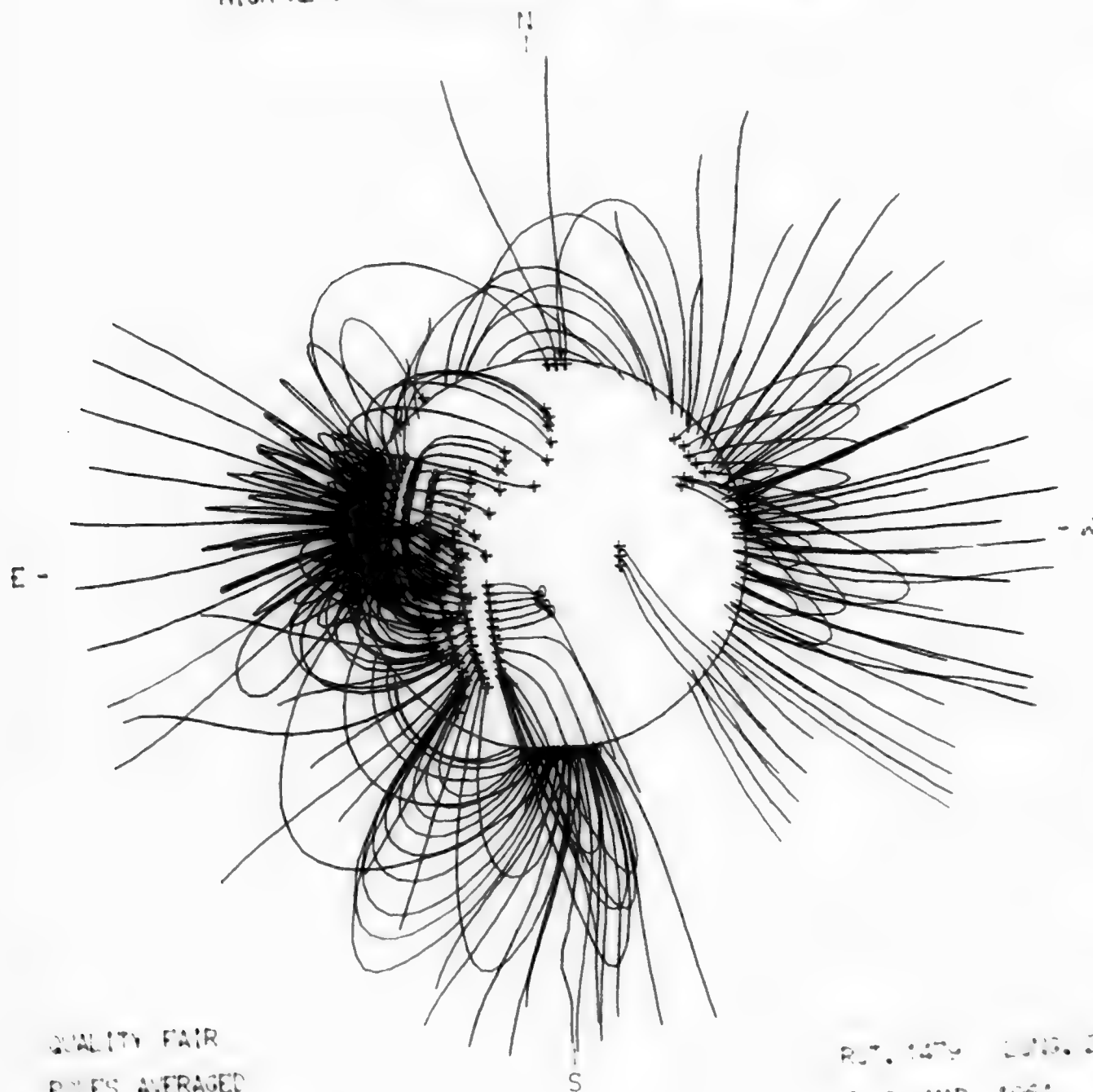
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1479 LONG. 240°
31.2 MAR 1964

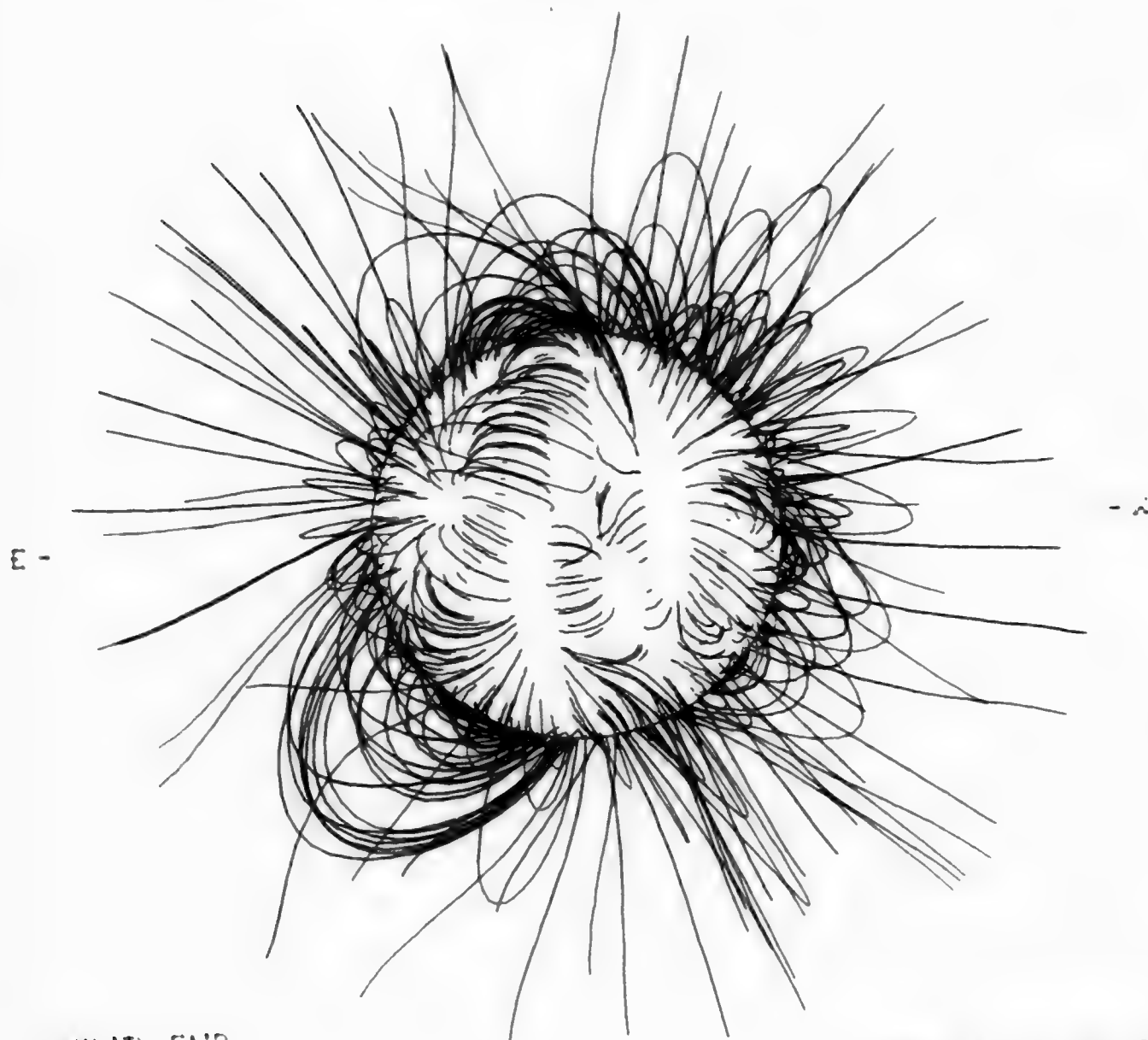
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

RJT. 1479 2010.250°
31.2 MAR 1964

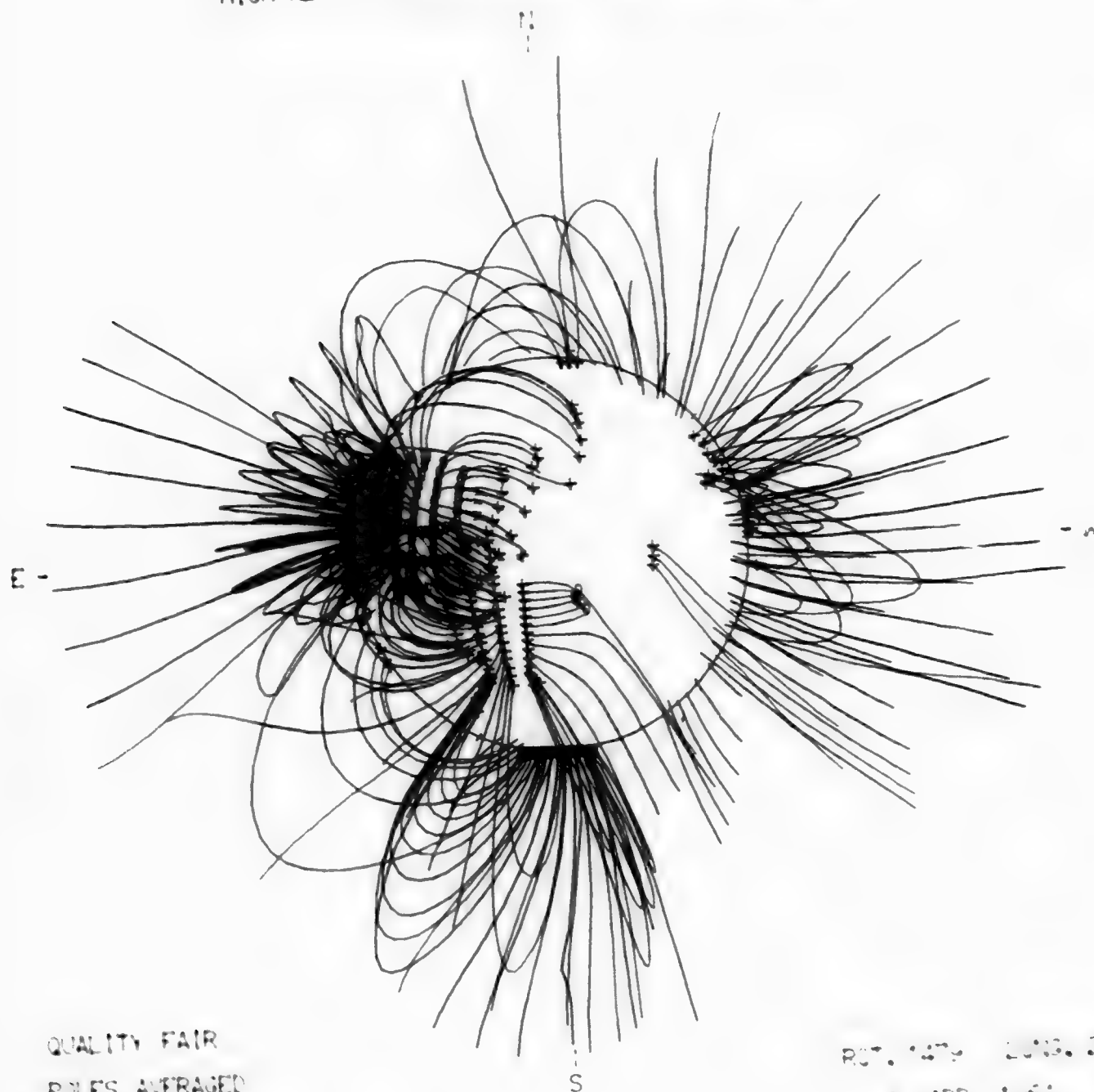
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

RJT. 1479 LONG. 261°
1.0 APR 1962

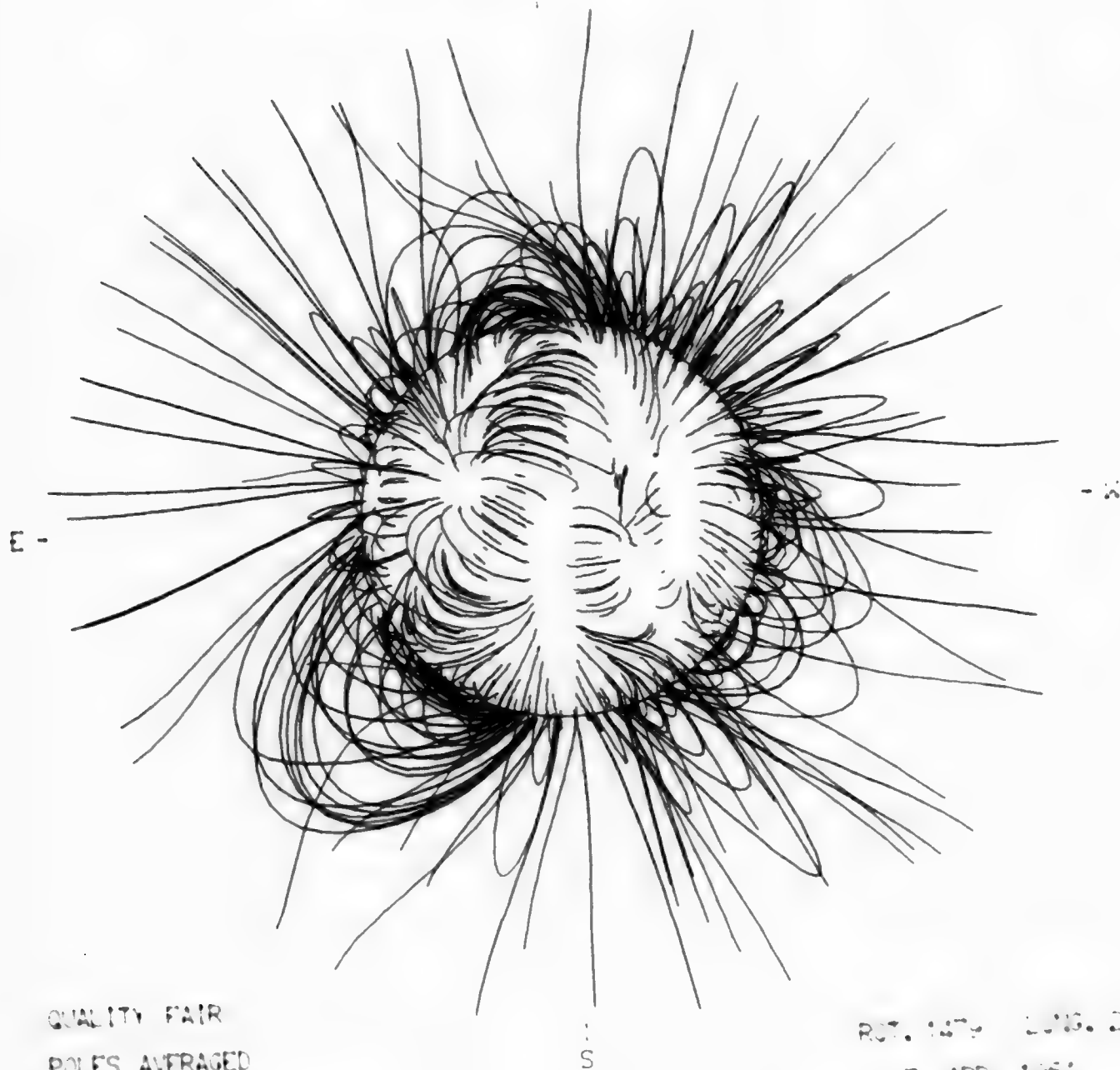
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1.578.47

ROT. 1.575 LONG. 280°
1.0 APR 1964

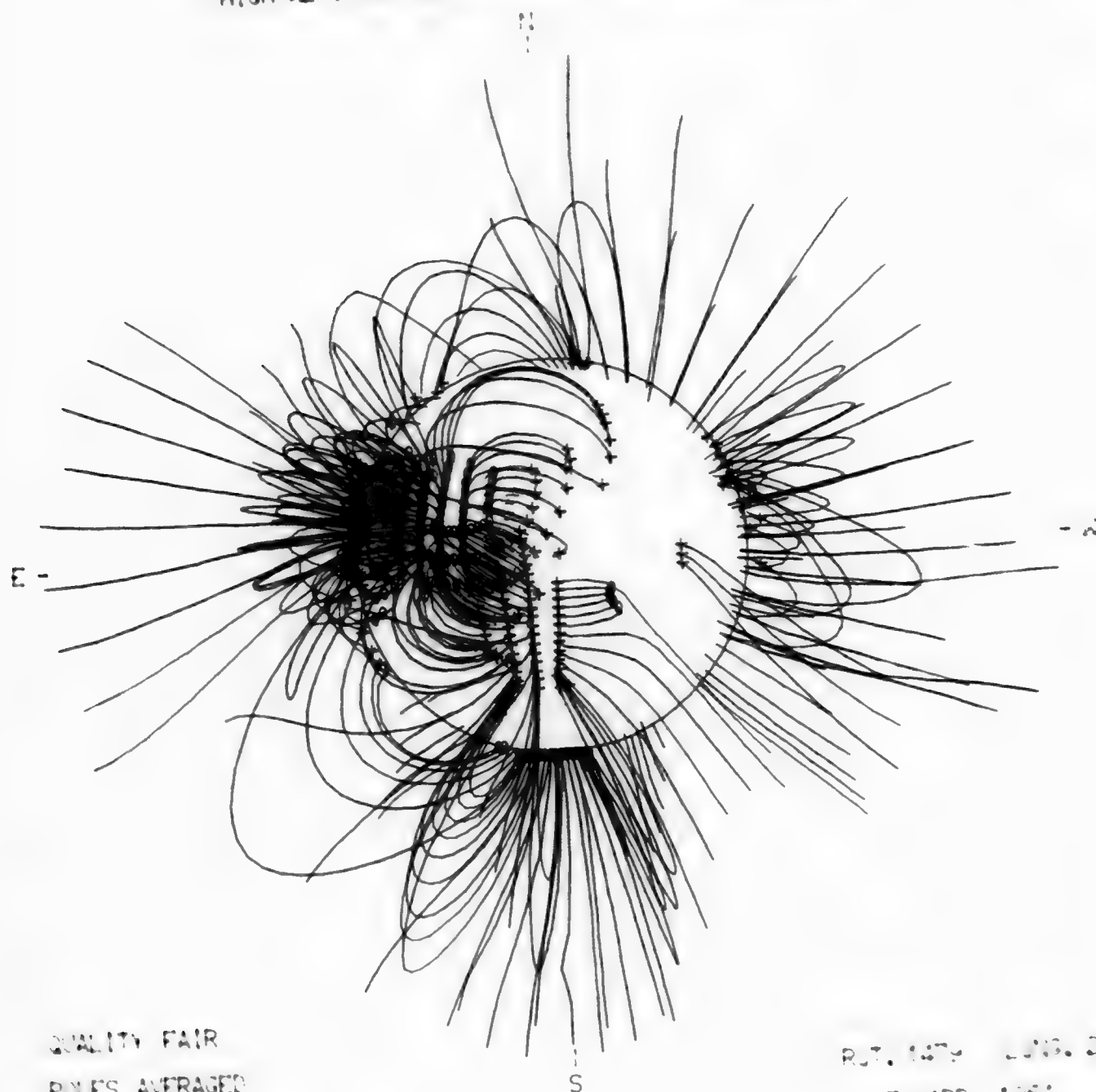
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1478.47

ROT. 1479 LONG. 270°
1.7 APR 1962

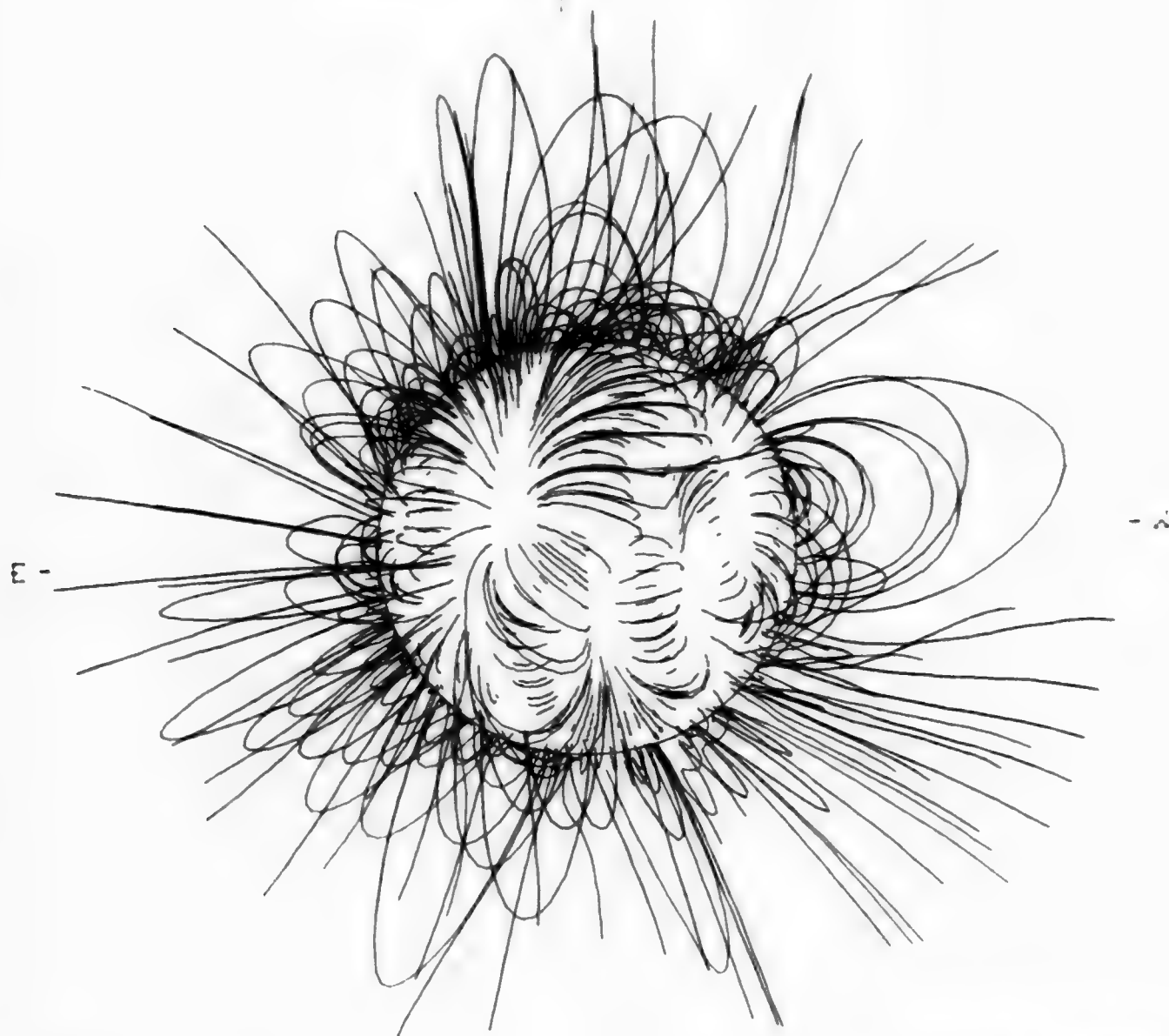
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY FAIR
POLES AVERAGED
DATA WINDOW 1.578.47

RJT. 1.579 1.578.27
1.7 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



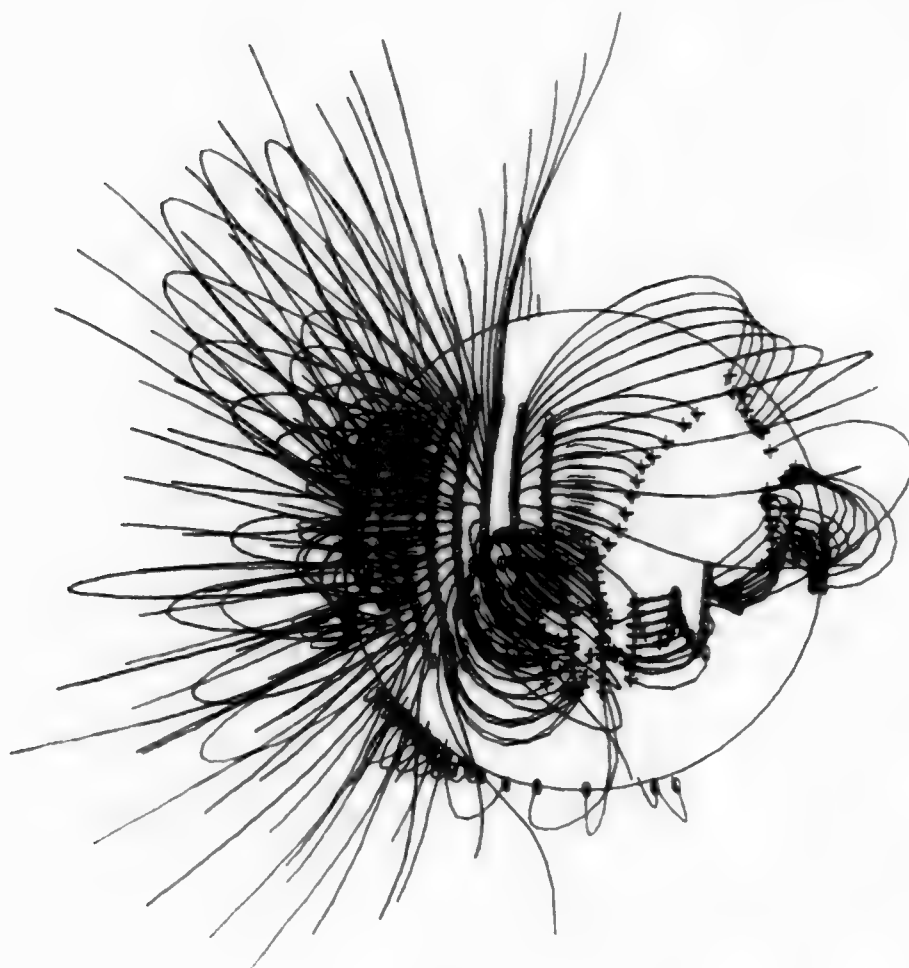
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1078.00

S

R.T. 1079 LONG. 100°
2.5 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

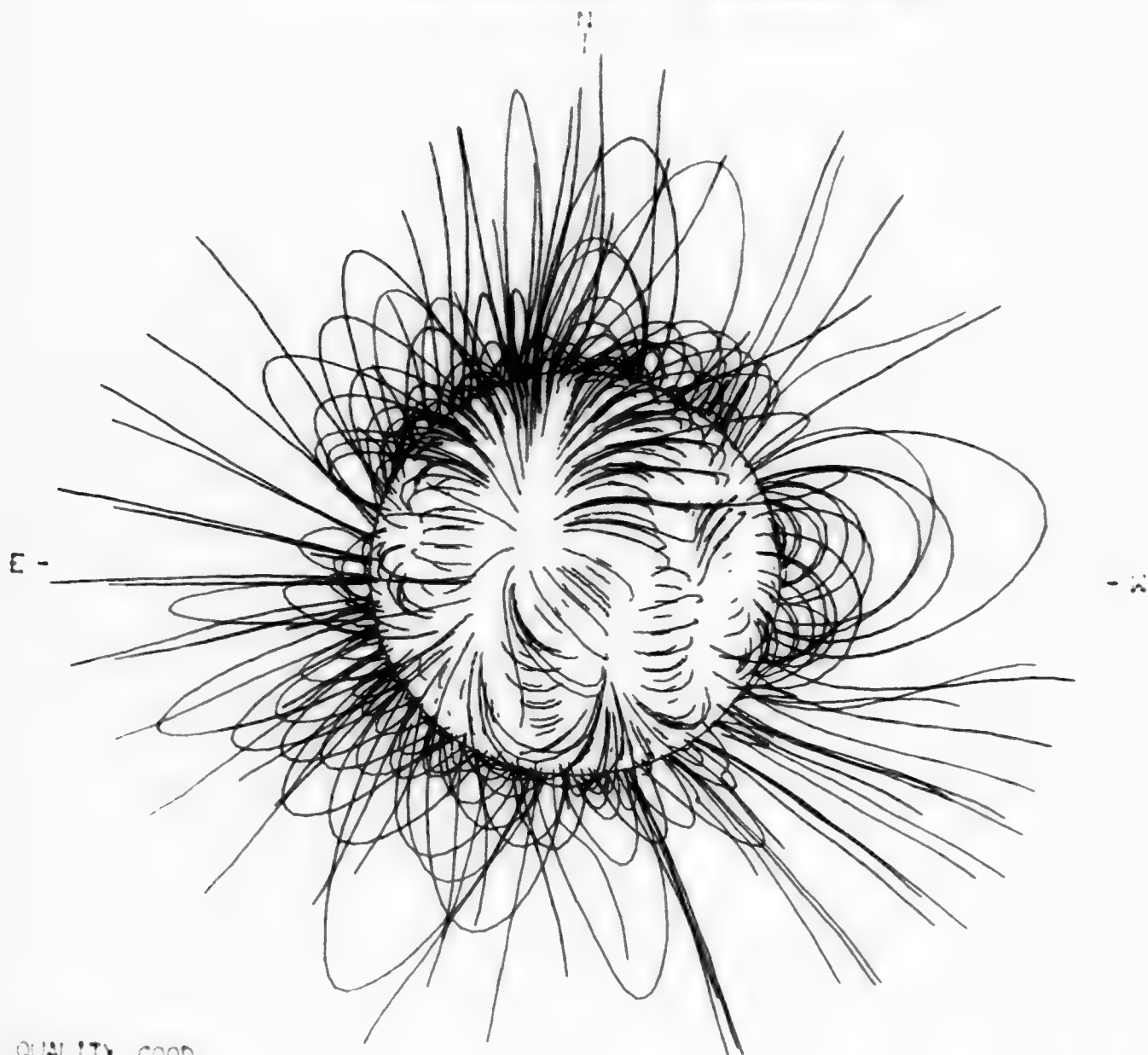


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

R.T. 1479 LUT. 261°
2.5 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1478.92

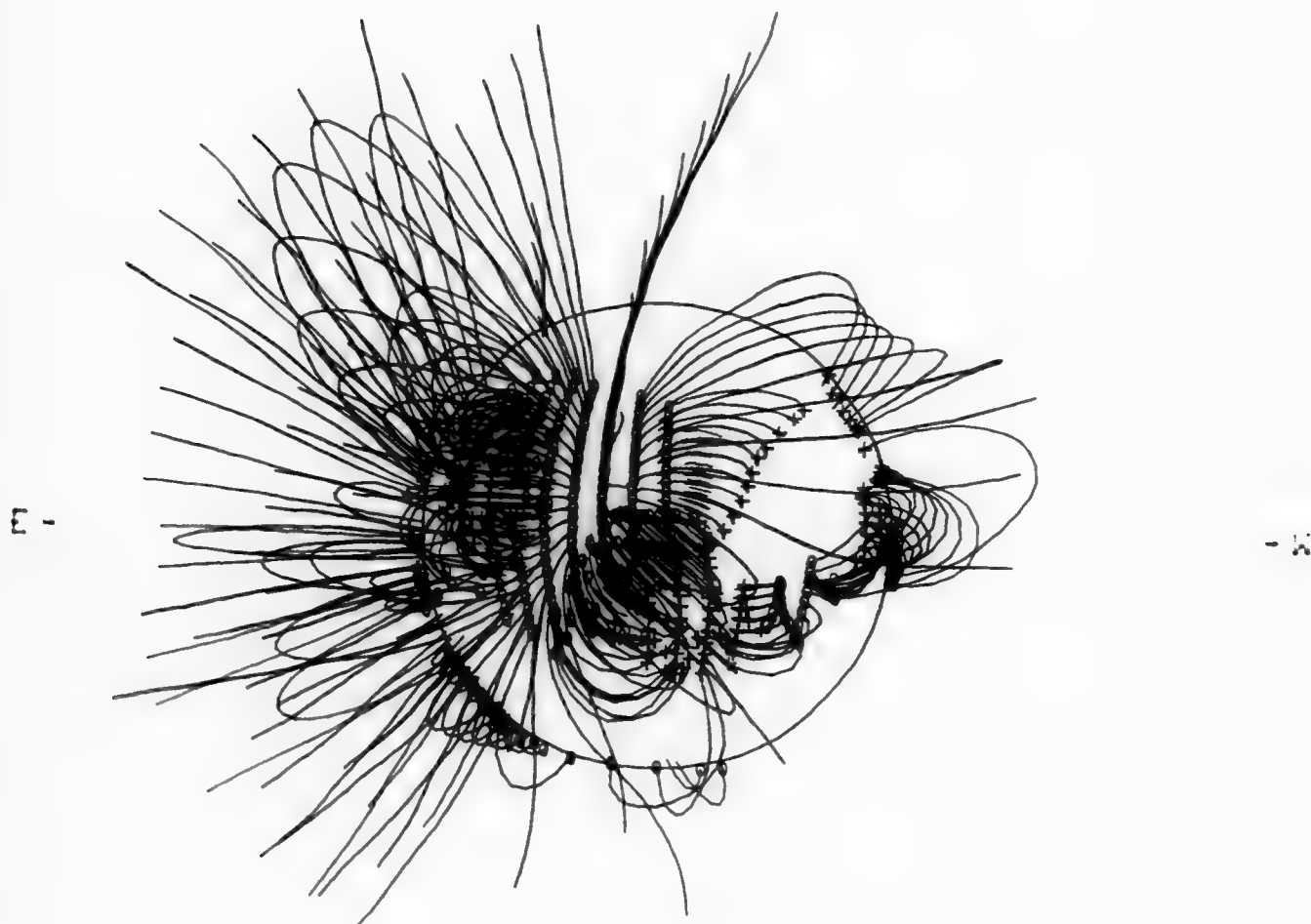
N
S

ROT. 1479 LONG. 250°

3.2 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

P1
1



QUALITY GOOD

POLES AVERAGED

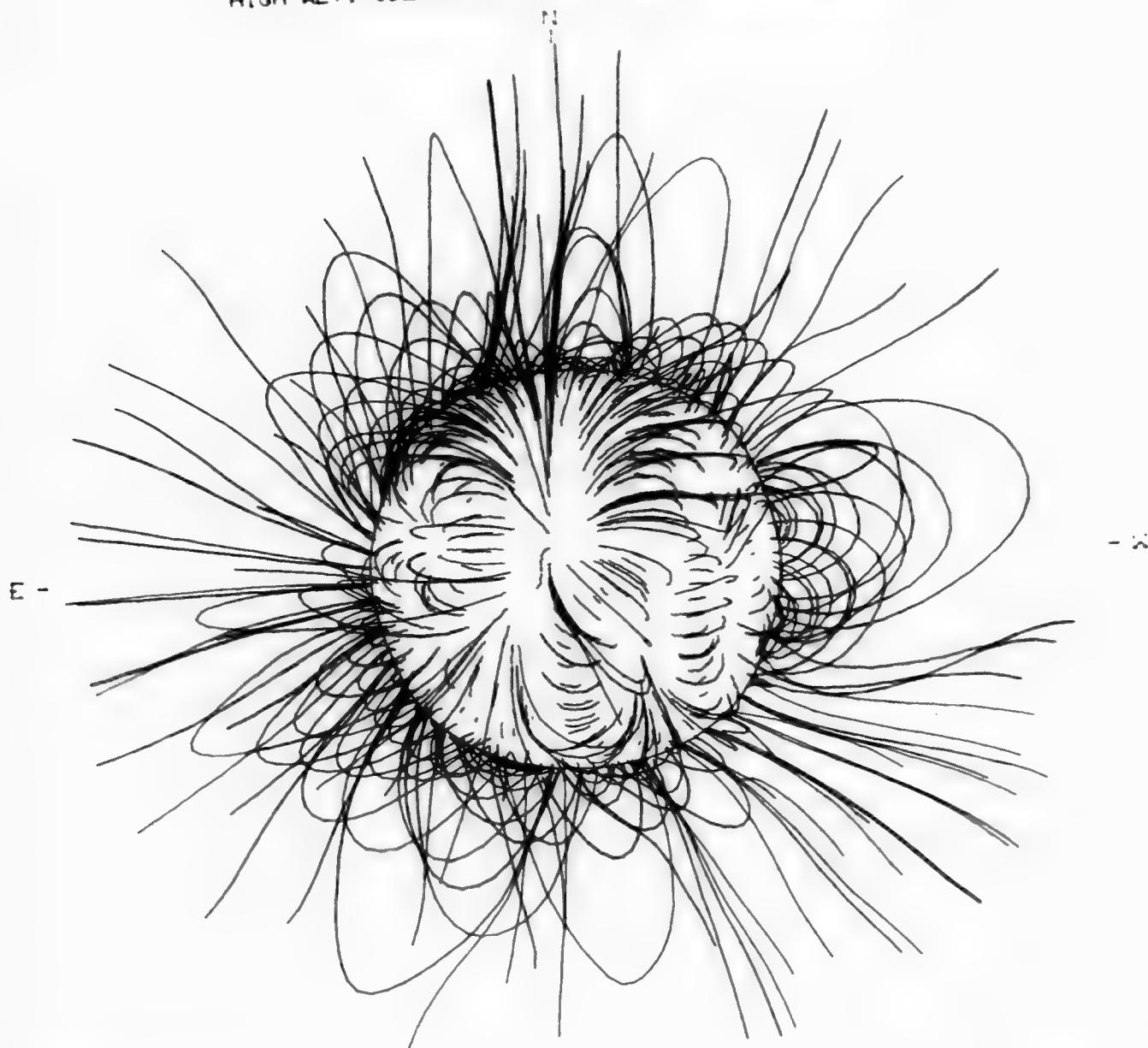
DATA WINDOW 1.478.92

1
S

ROT. 1.479 LONG. 251°

3.2 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

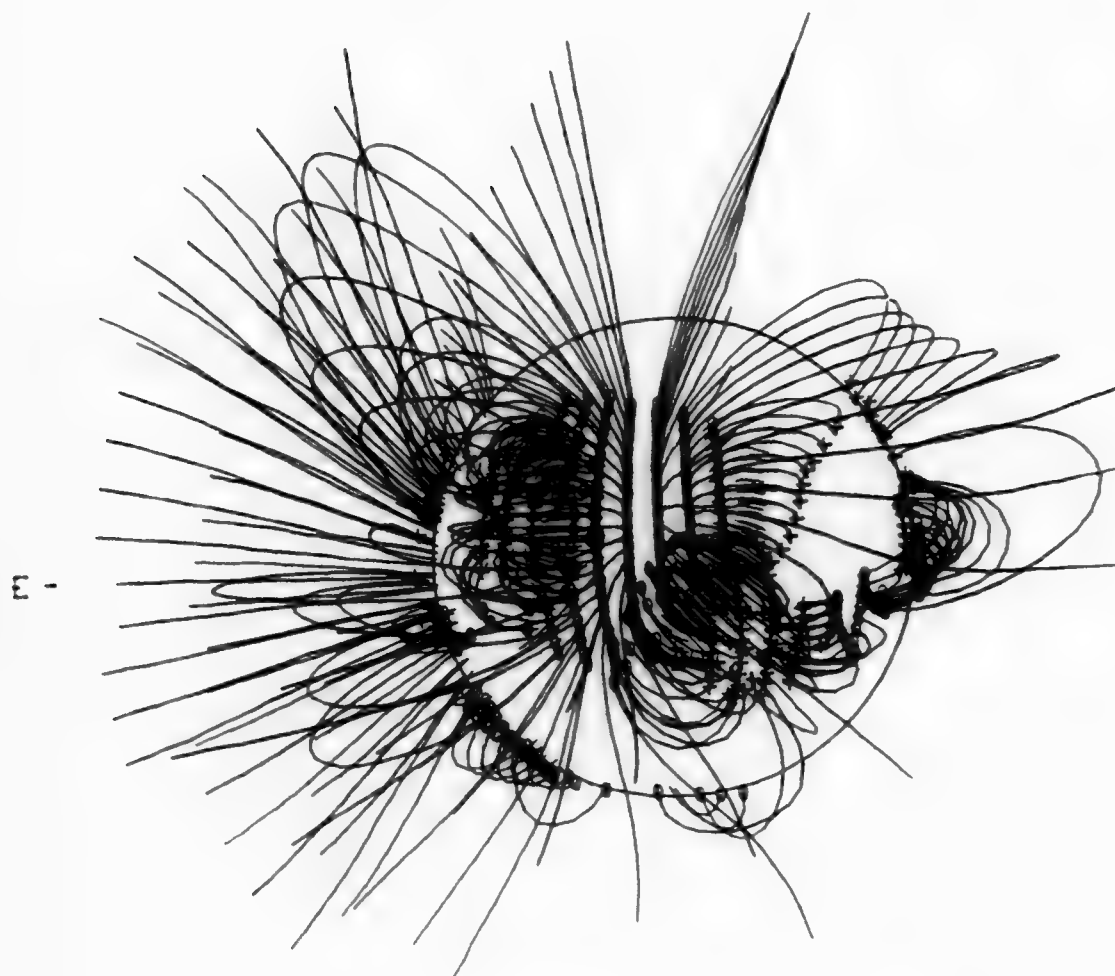


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

1
S

ROT. 1479 LONG. 240°
4.0 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

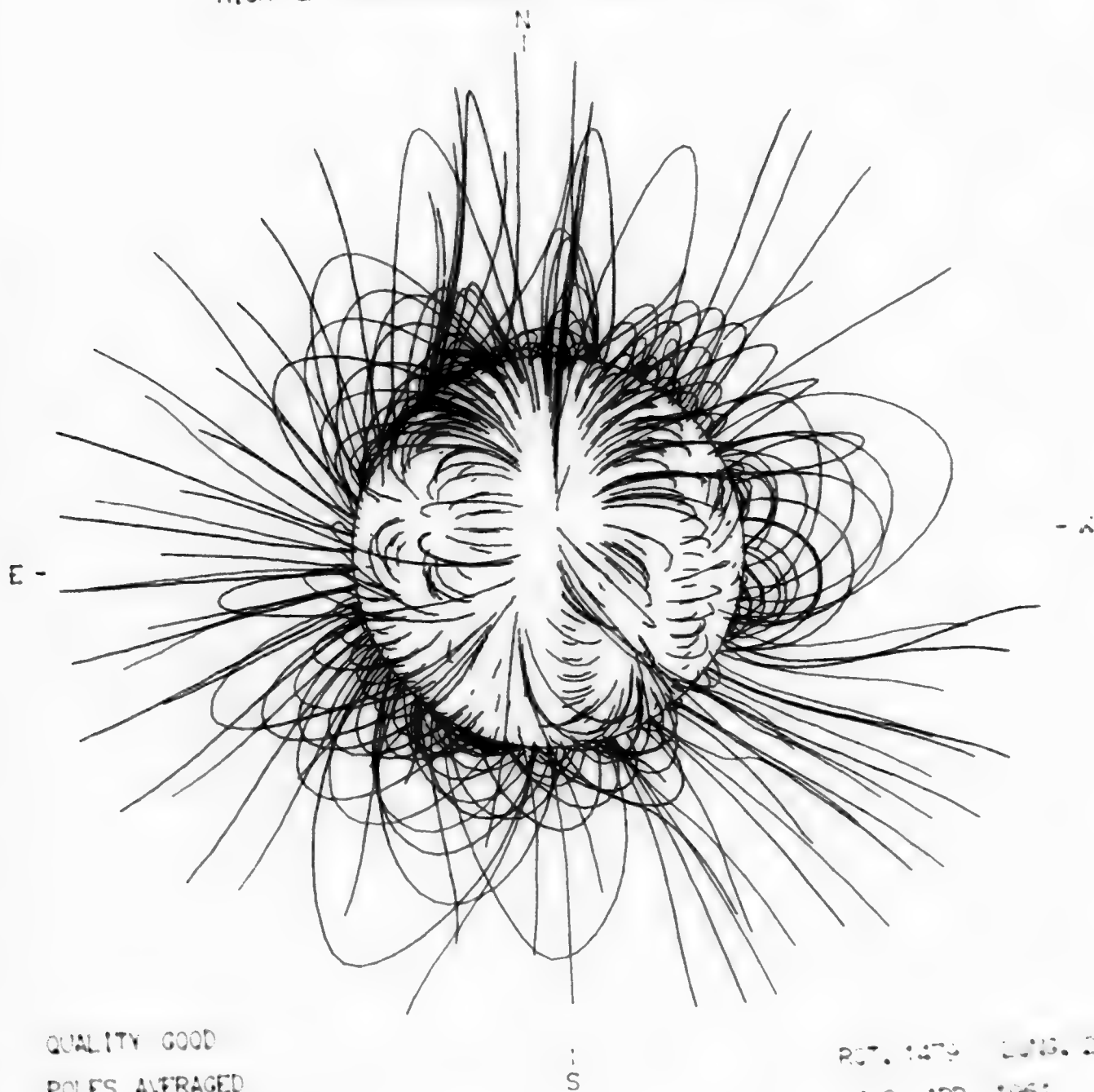


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

ROT. 1474 LONG. 241°
4.0 APR 1964

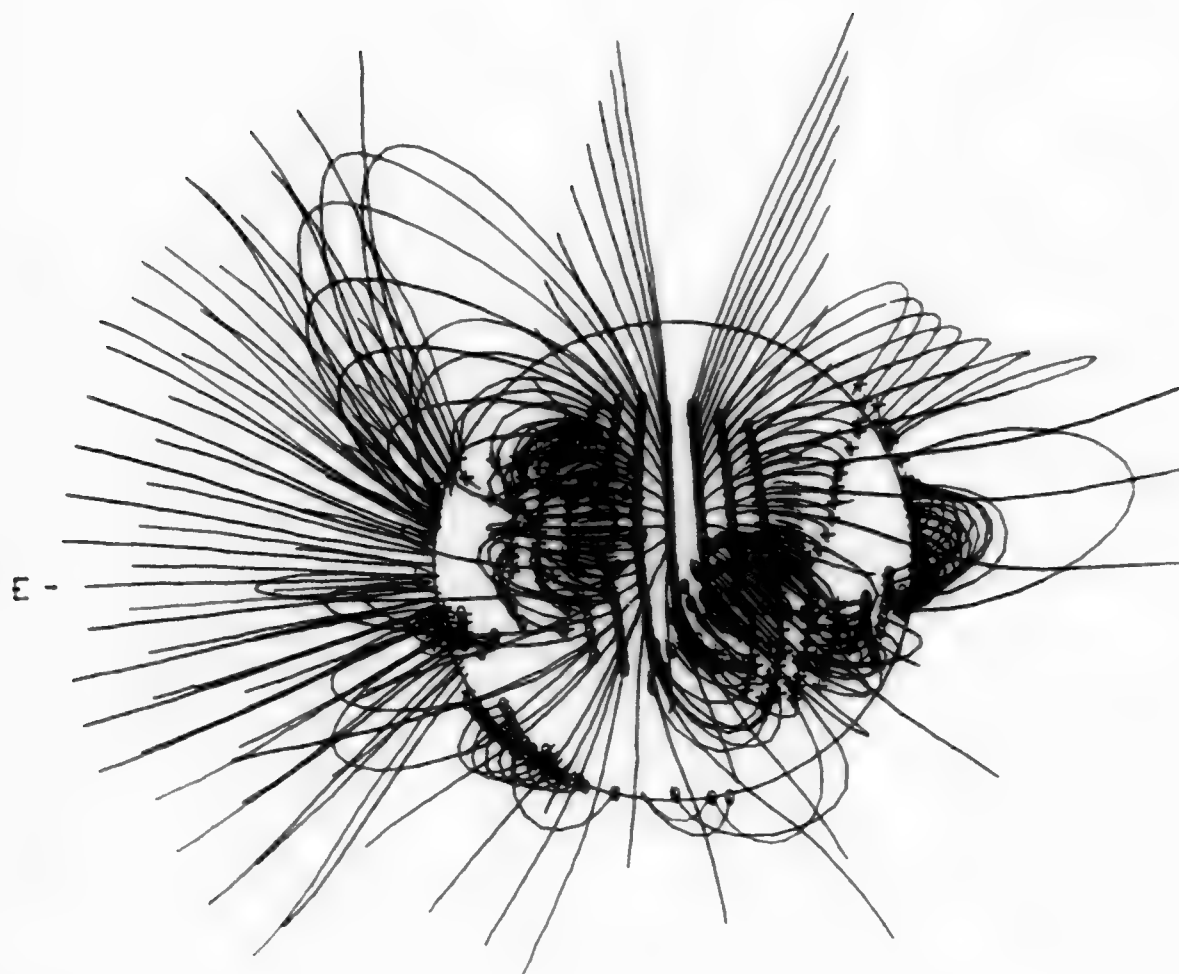
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

REF. 1479 2013.250°
4.8 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

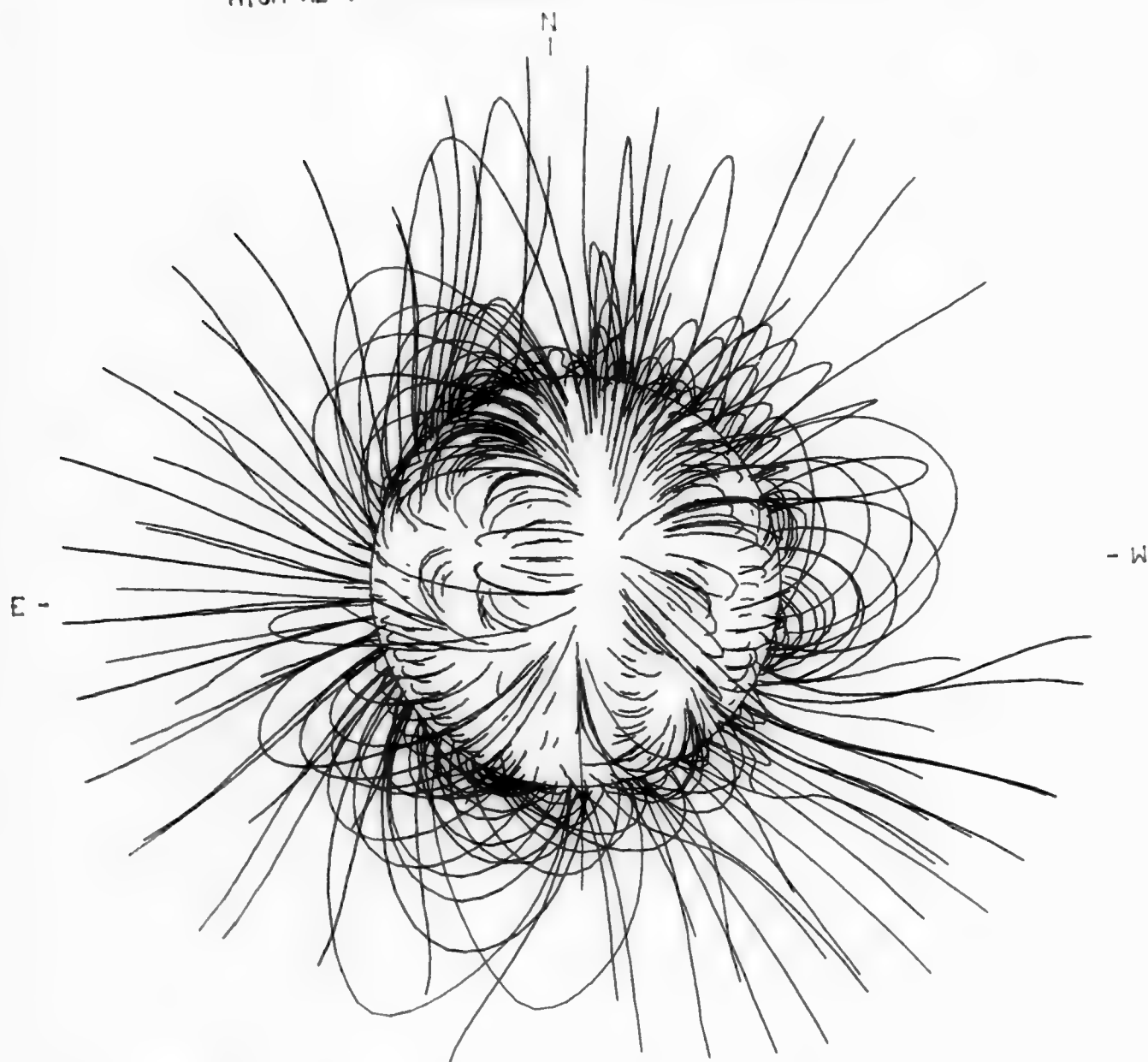


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

RUT. 1478 LONG. 1478
4.8 APR 1978

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

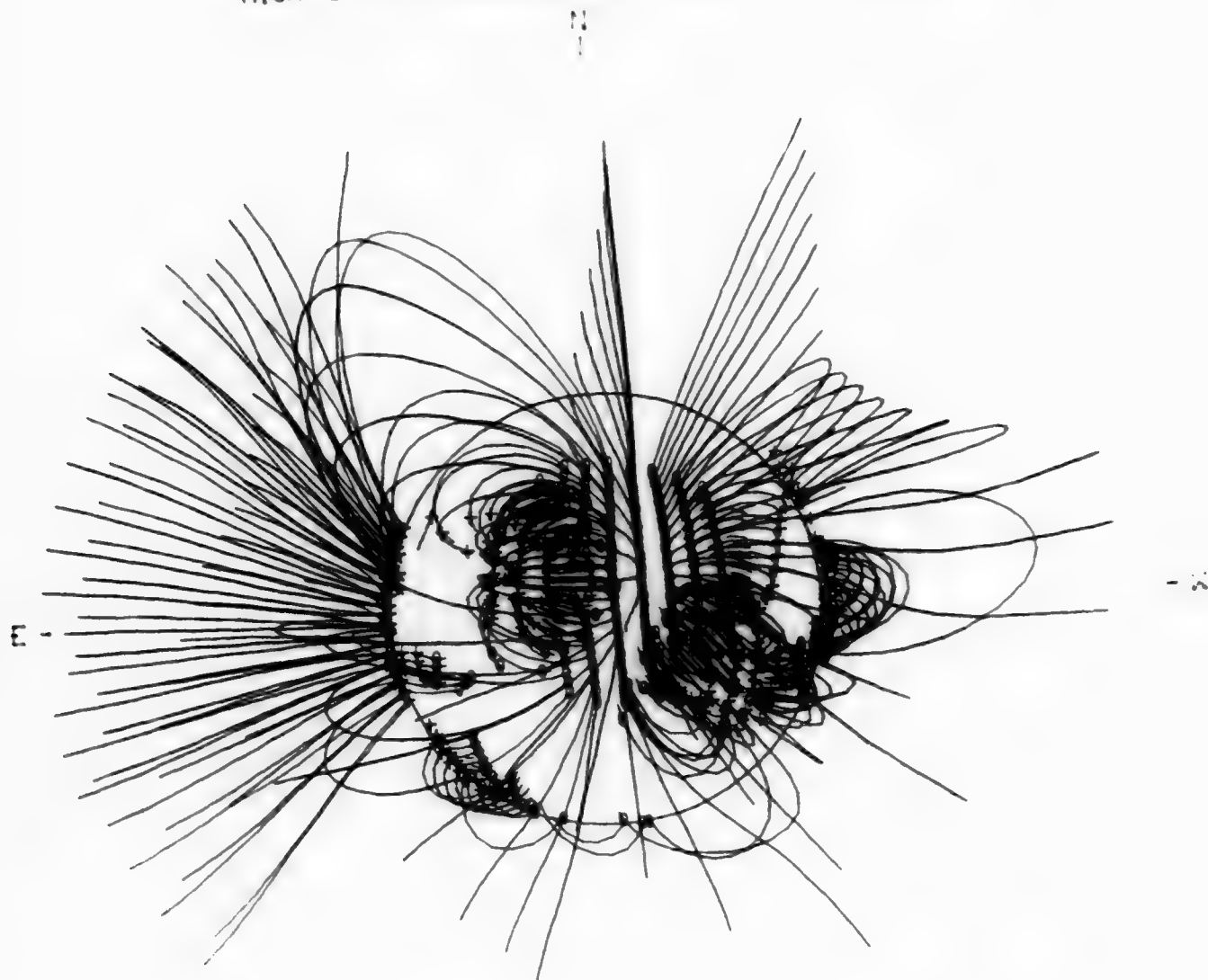


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

I
S

ROT. 1479 LONG. 220°
5.5 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

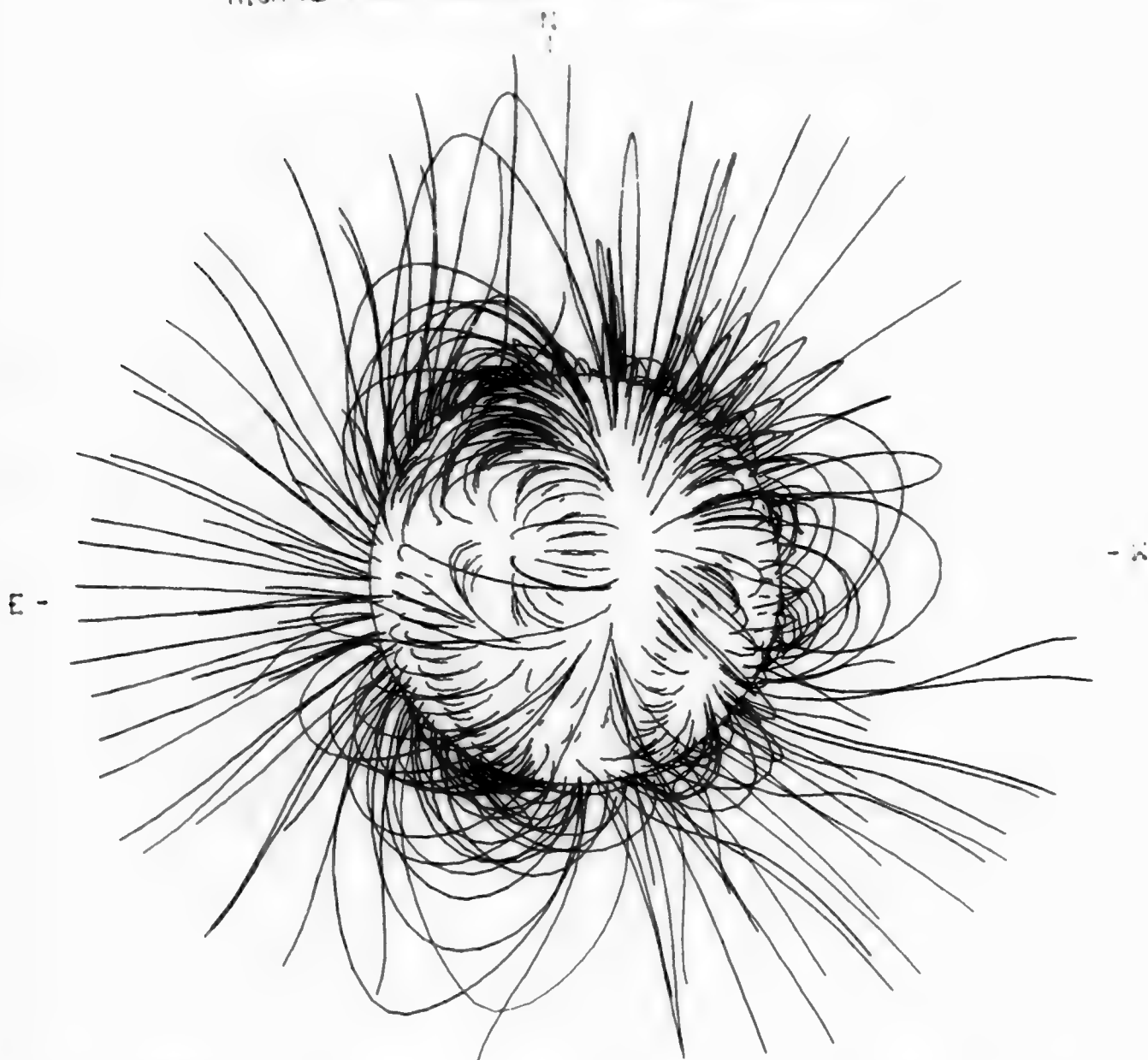


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

RUT. 1478.92
5.5 APR 1992

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

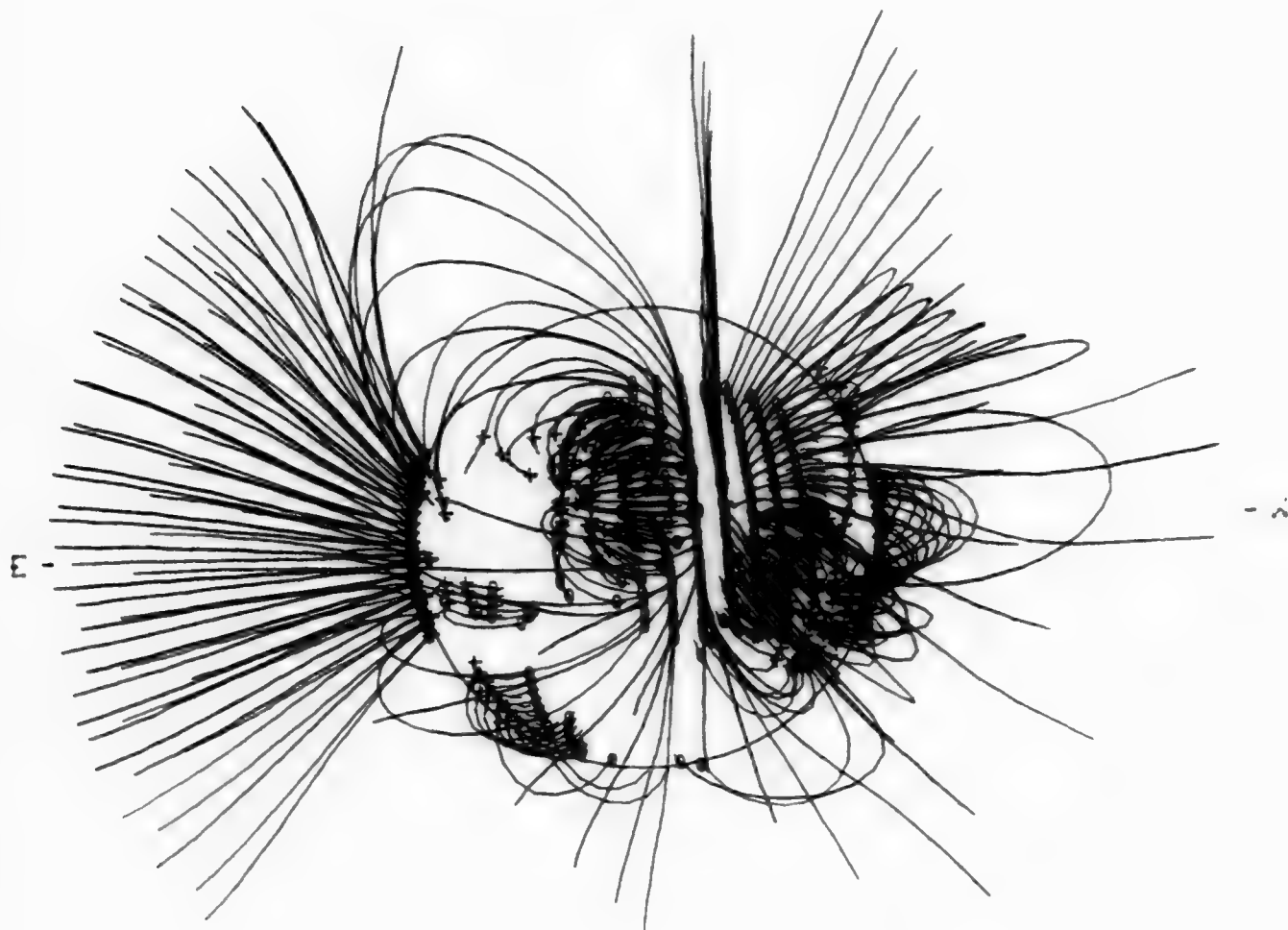


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

1
S

ROT. 1479 LONG. 210°
6.3 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

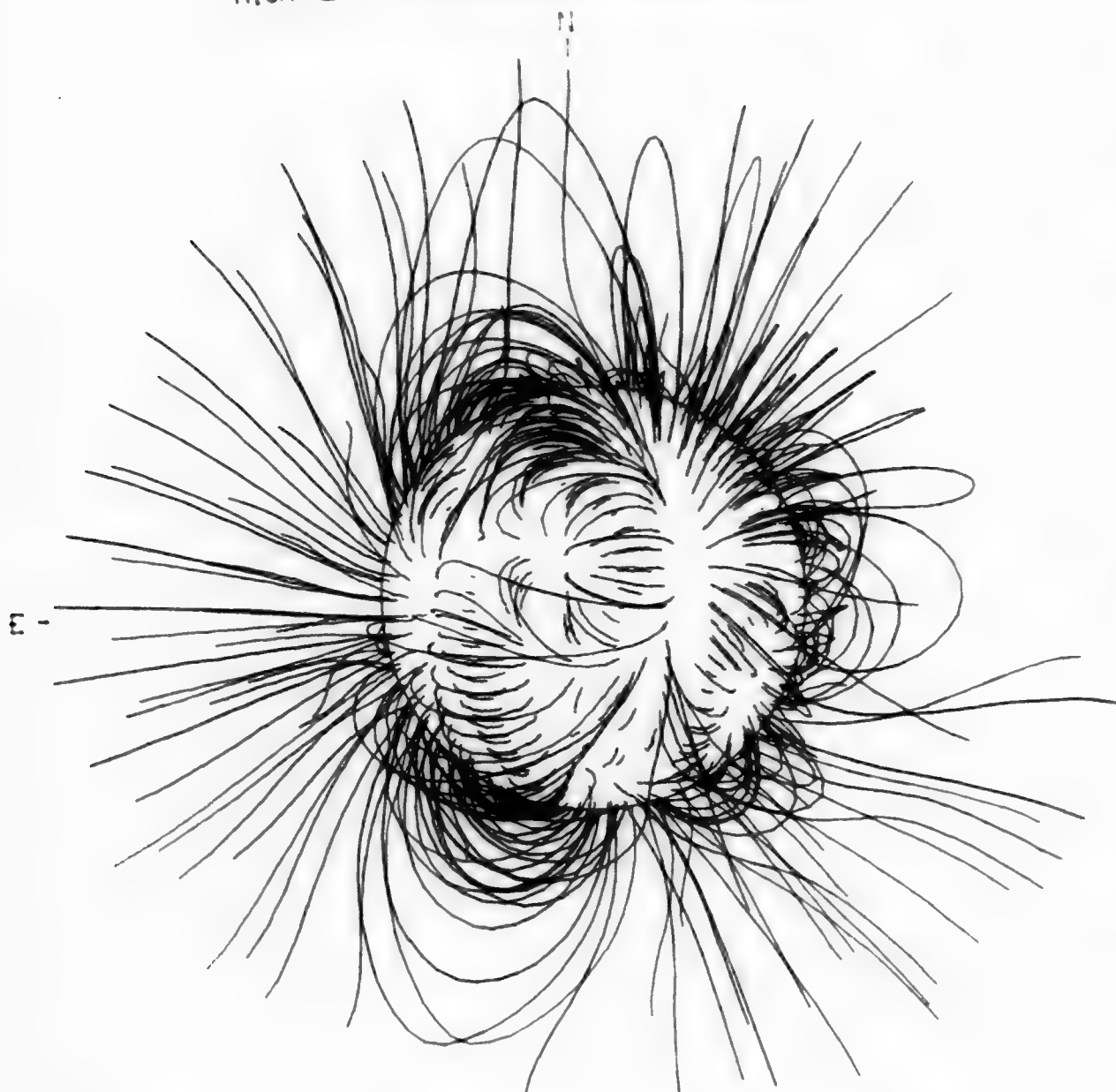


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

1
S

R.T. 1479 2010.210
6.3 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

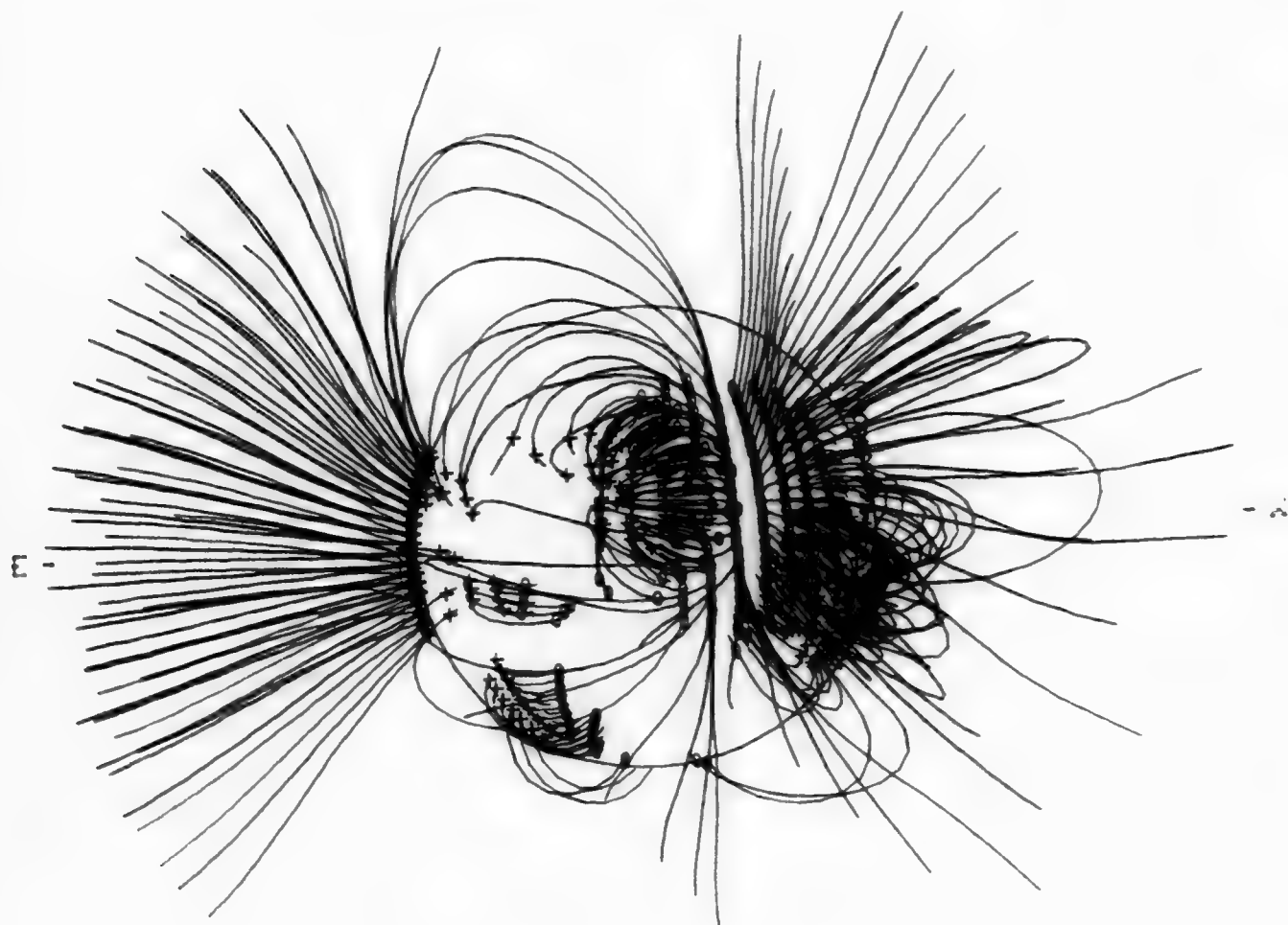


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1:478.92

S

RET. 1274 2016. 2016
7.0 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

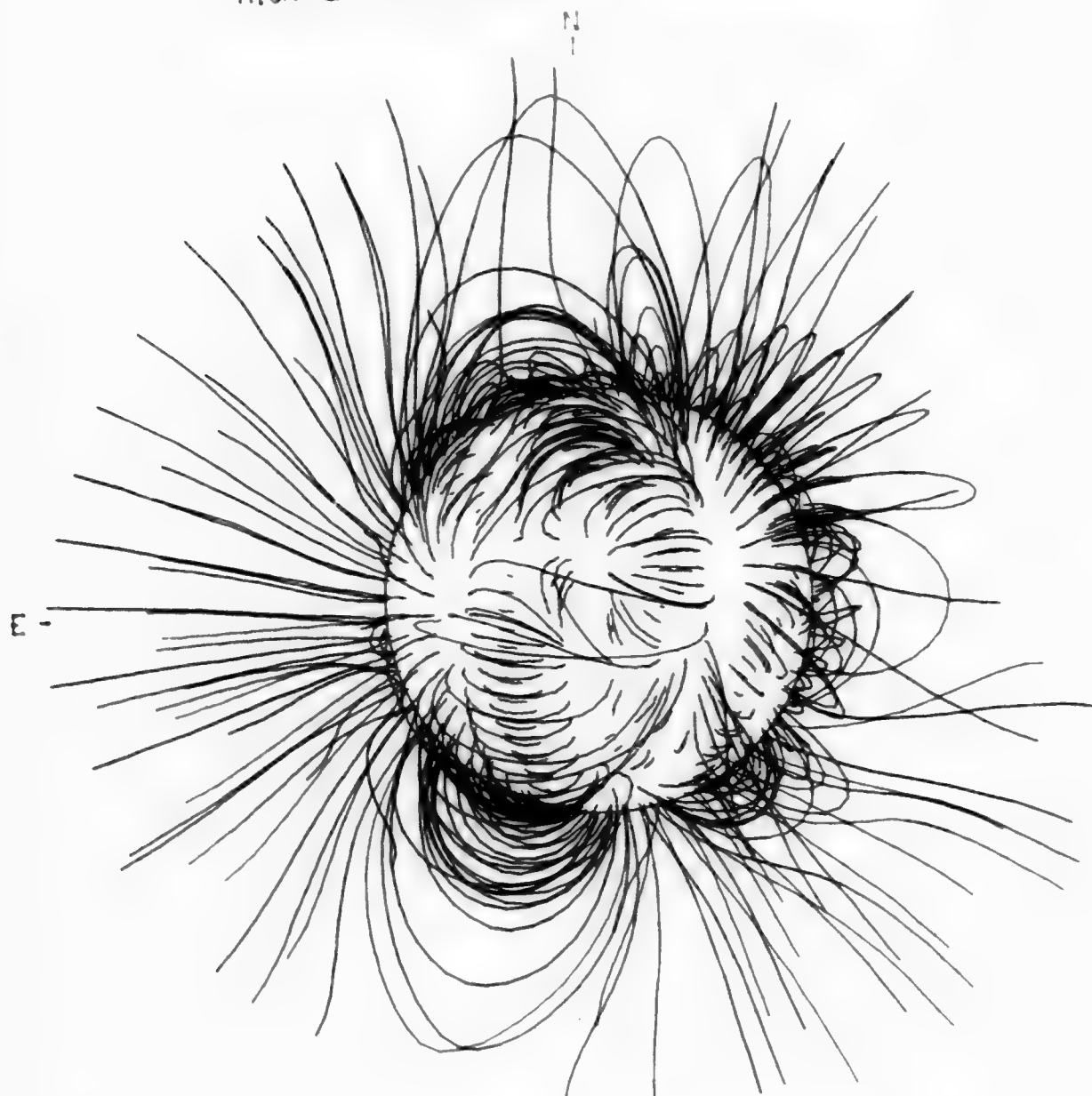


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

RUT. 1479 LONG. 200°
7.0 APR 1964

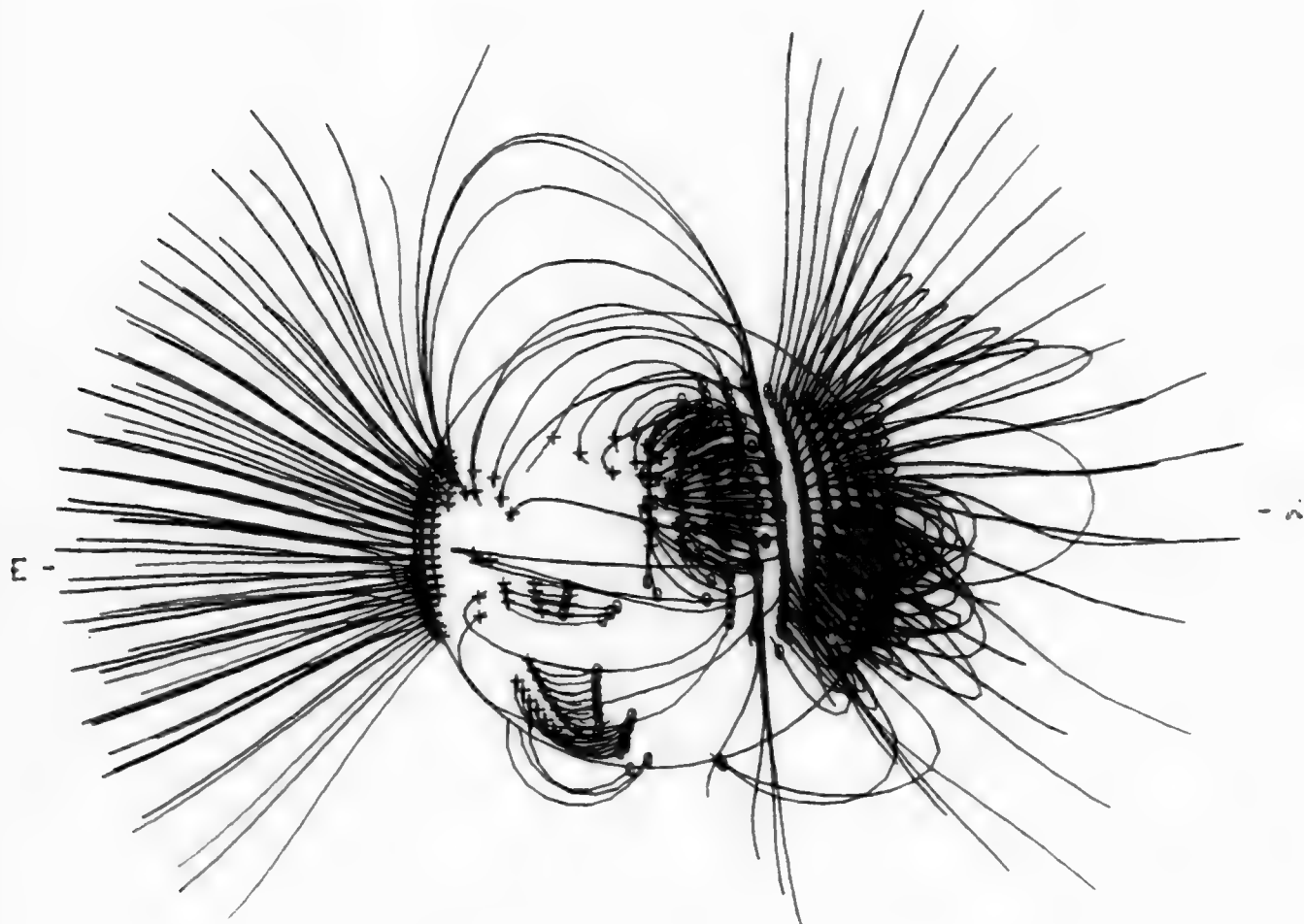
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

ROT. 1479 LONG. 1479
7.8 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

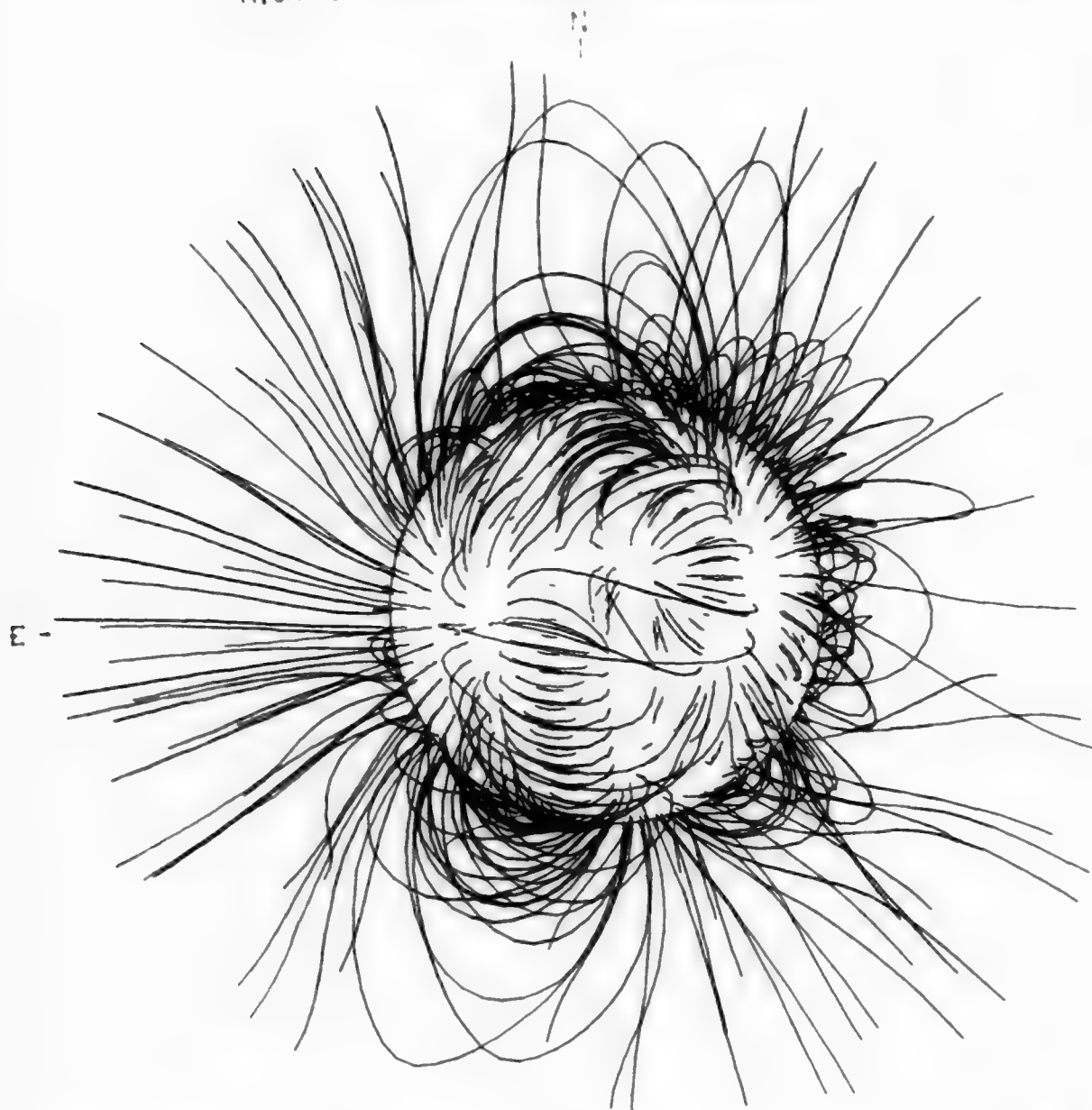


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.578.92

S

REF. 1.578 1.578.92
1.8 APR 1992

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

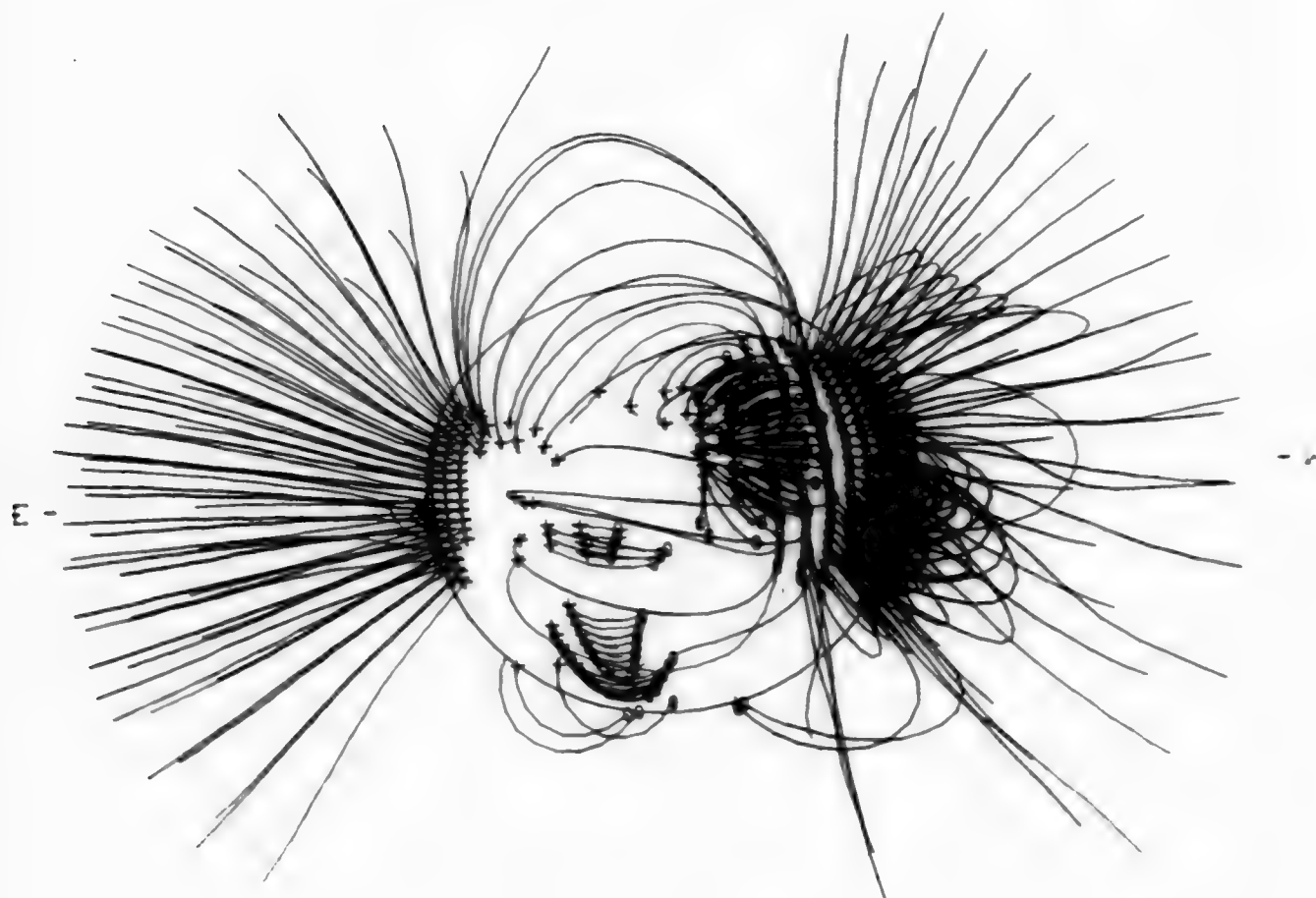


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

ROT. 1479 LONG. 180°
8.5 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

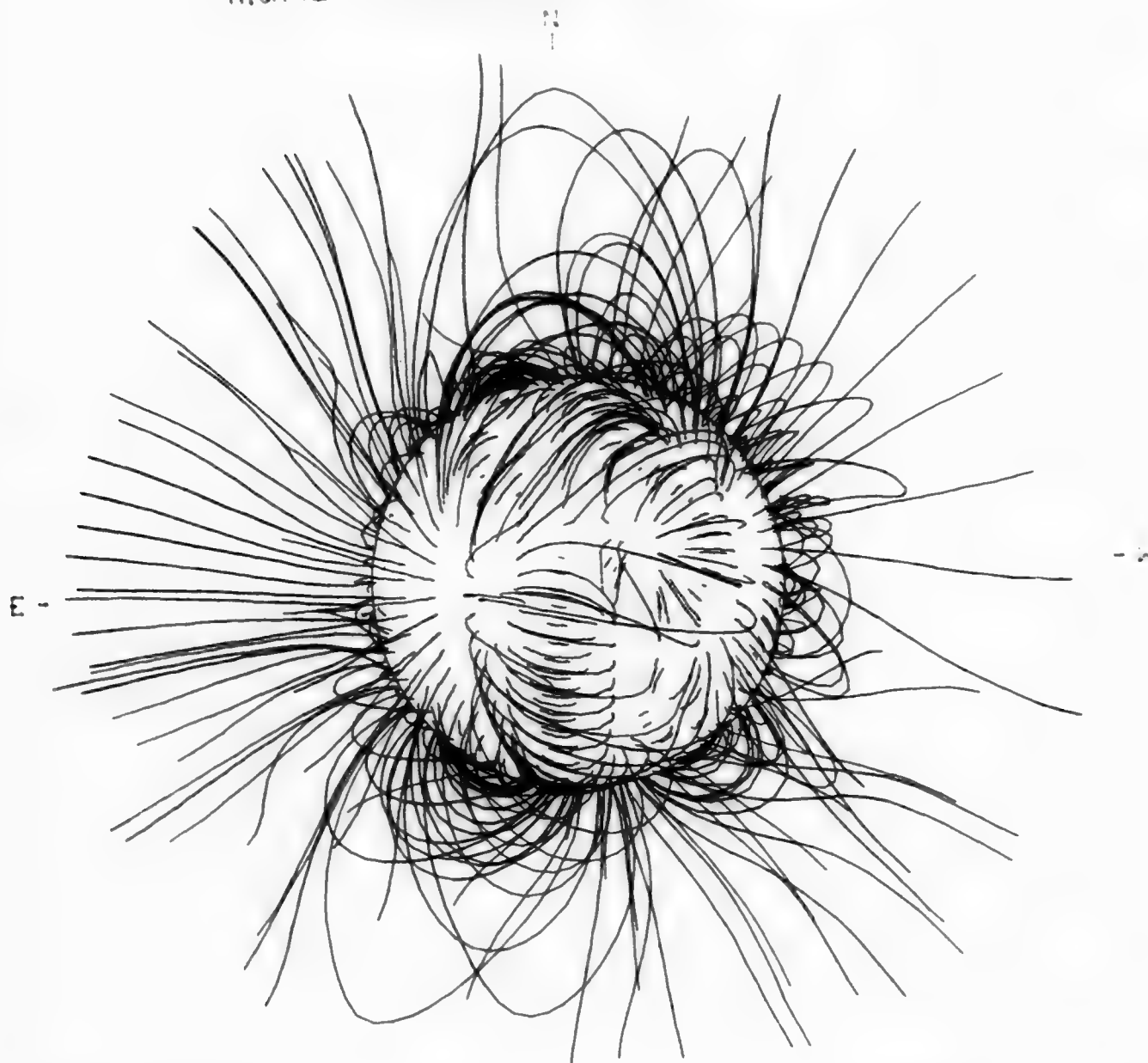


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

ROT. 1479 LONG. 181
8.5 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

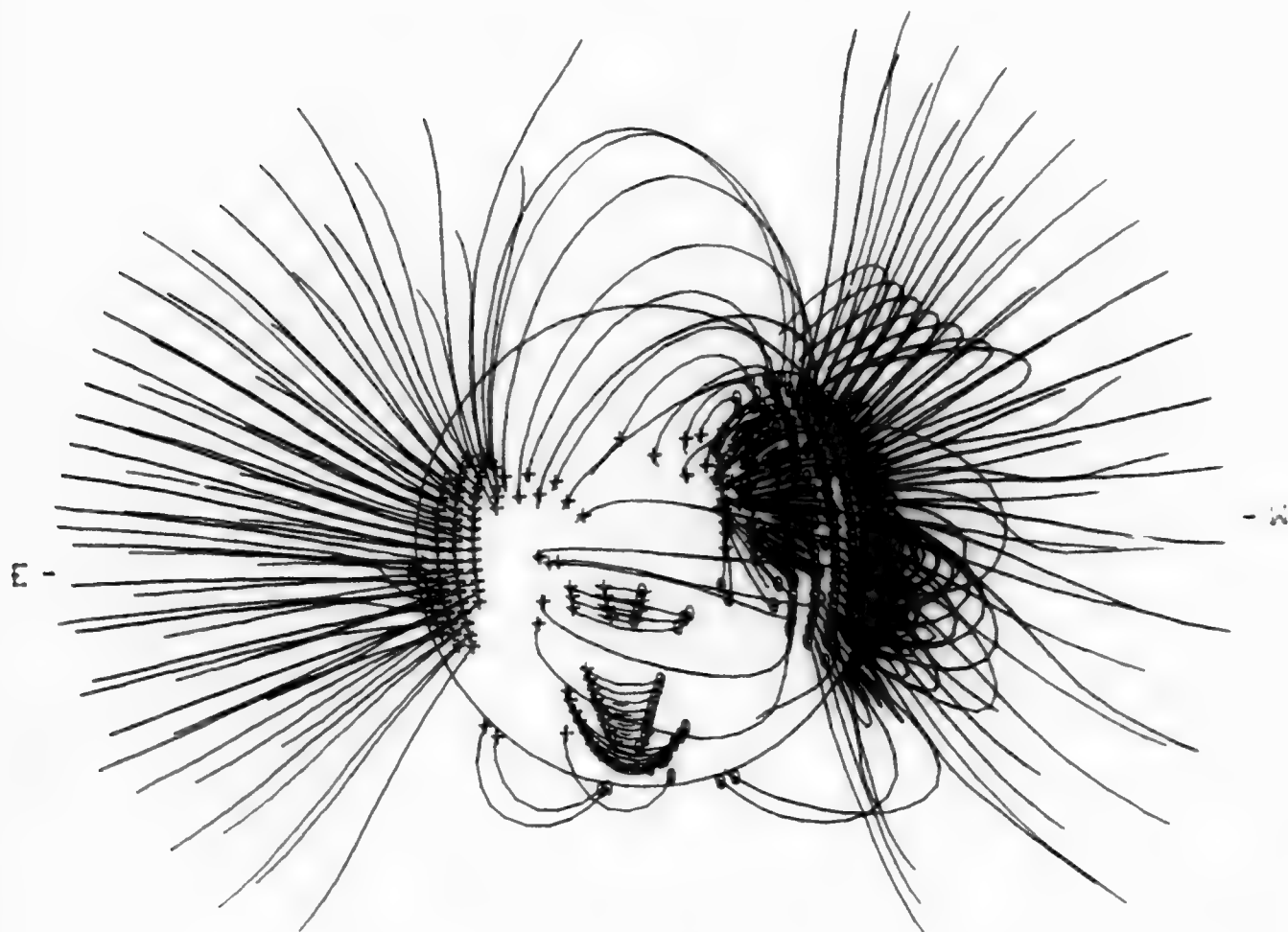


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.578.92

S

ROT. 1.579 LONG. 170°
9.3 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

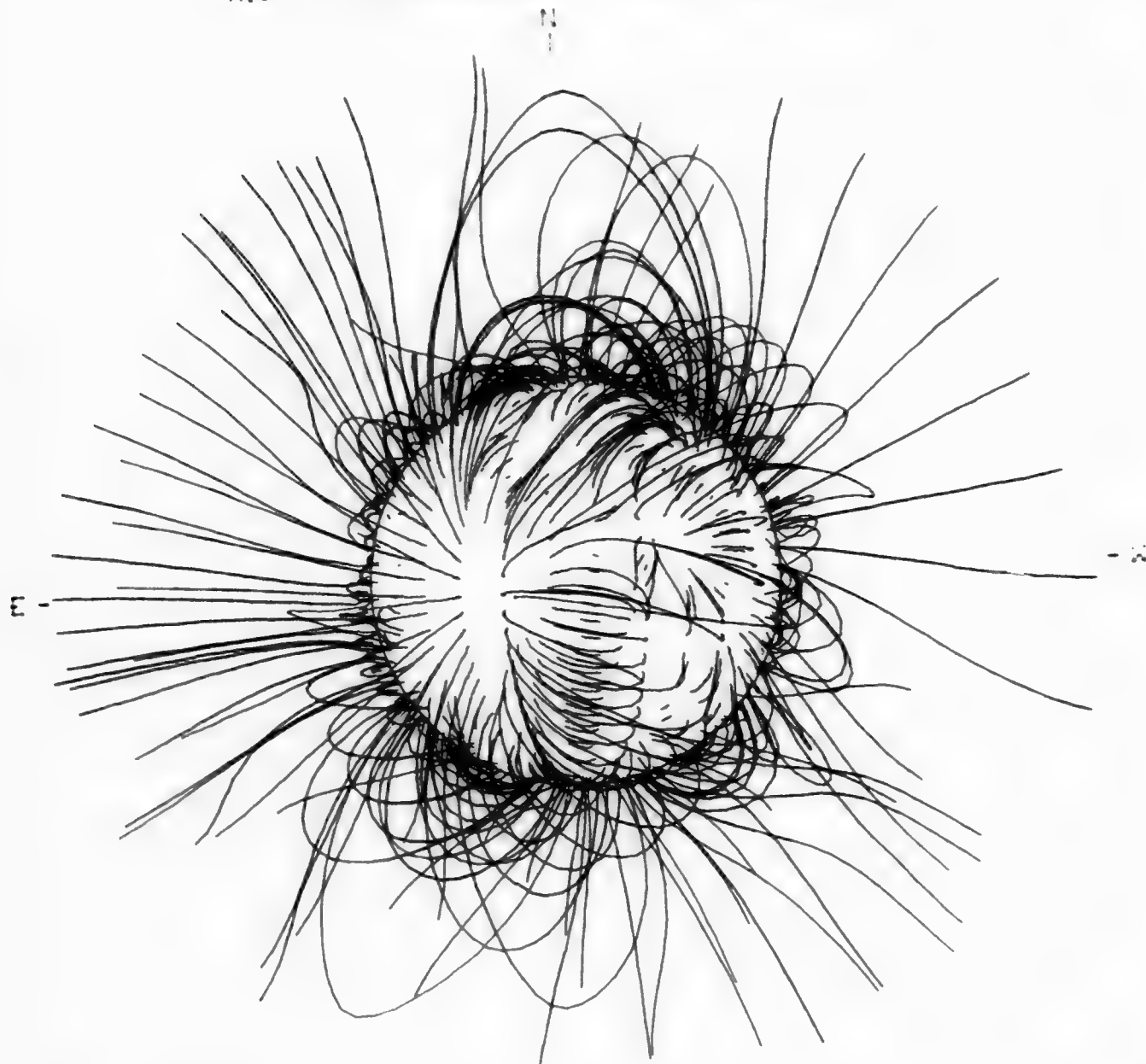


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

RUT. 1479 LUN. 171
9.3 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

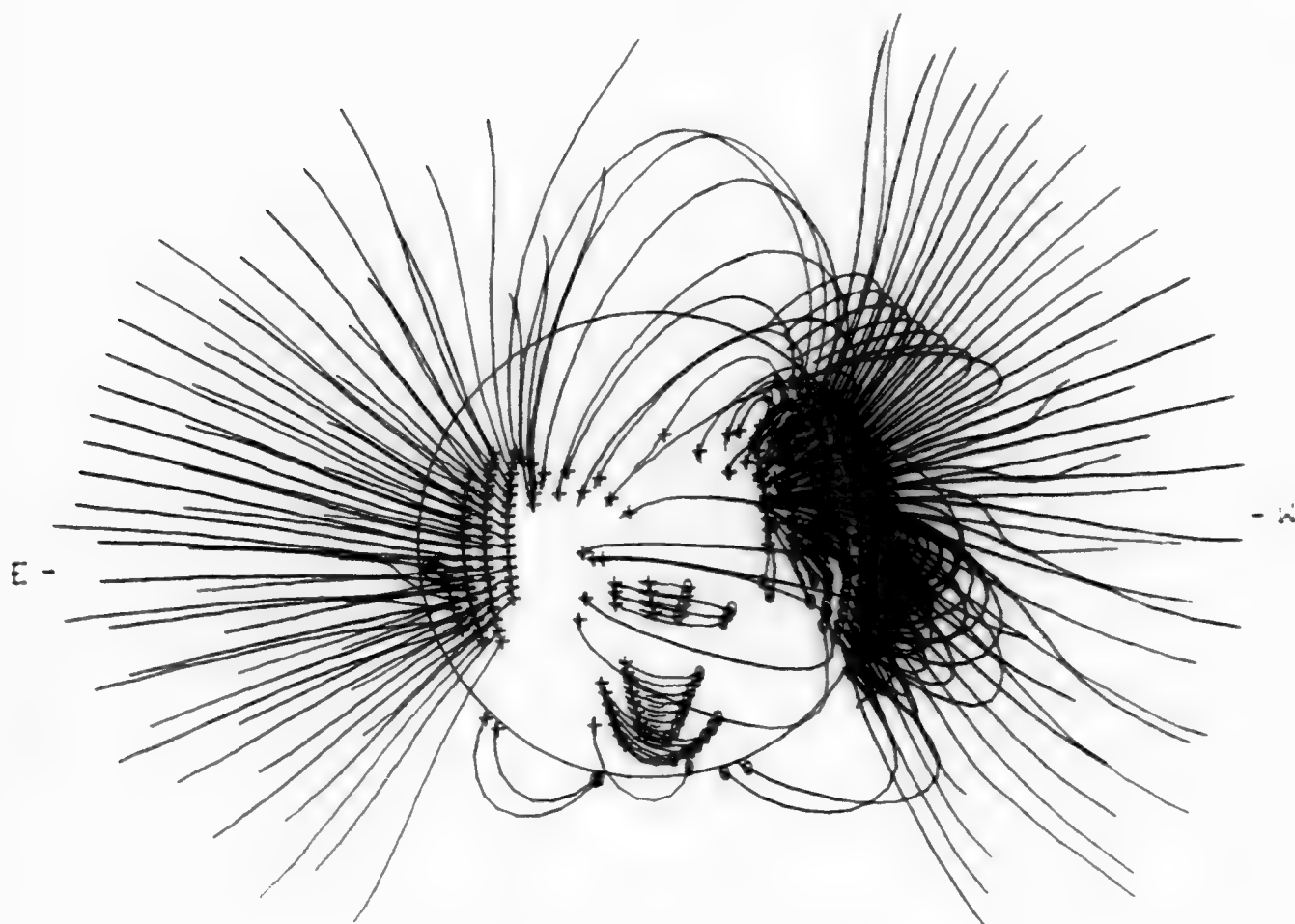


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

ROT. 1479 LONG. 151°
10.1 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
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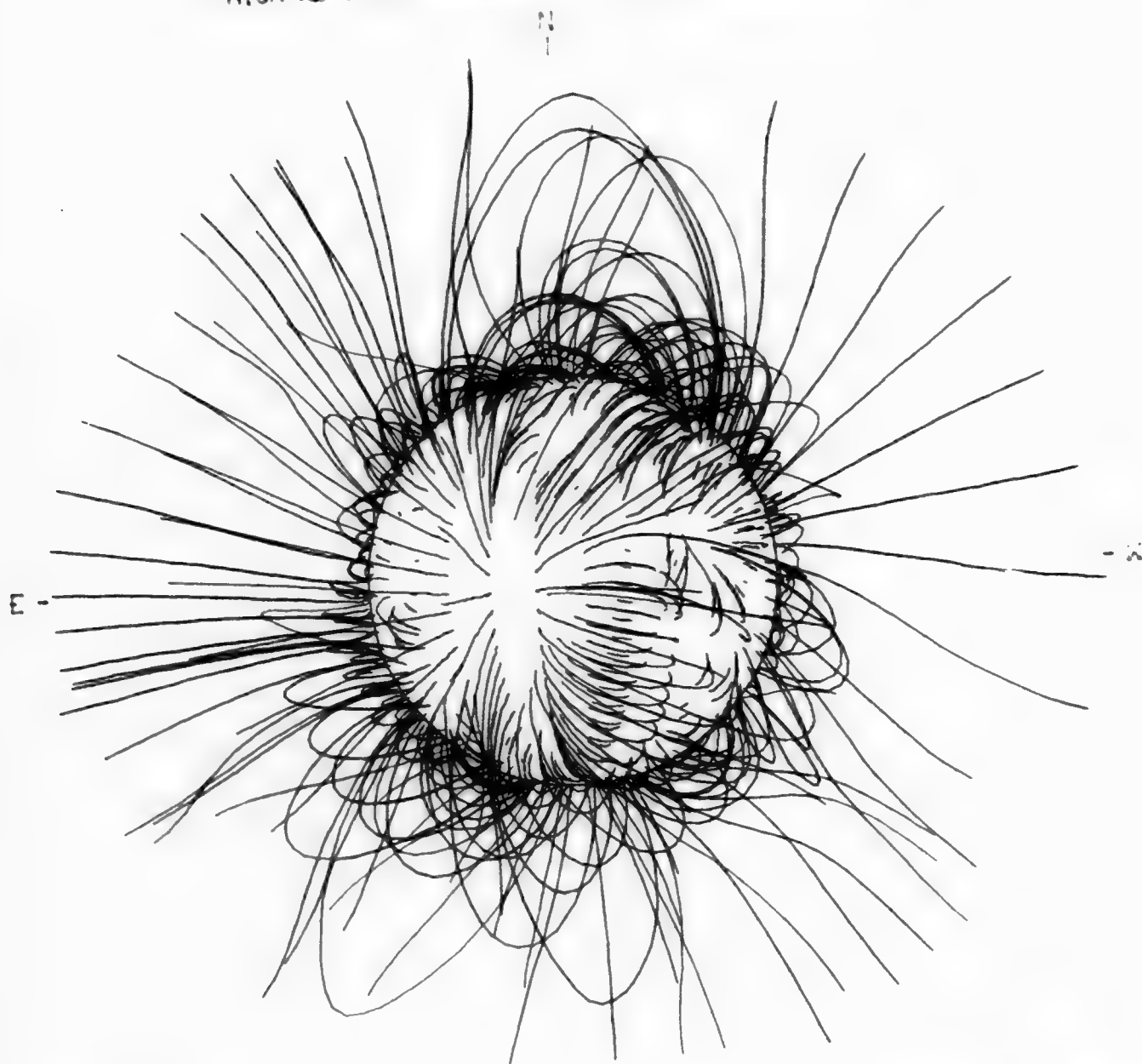


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

1
S

ROT. 1479 LONG. 160°
10.1 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

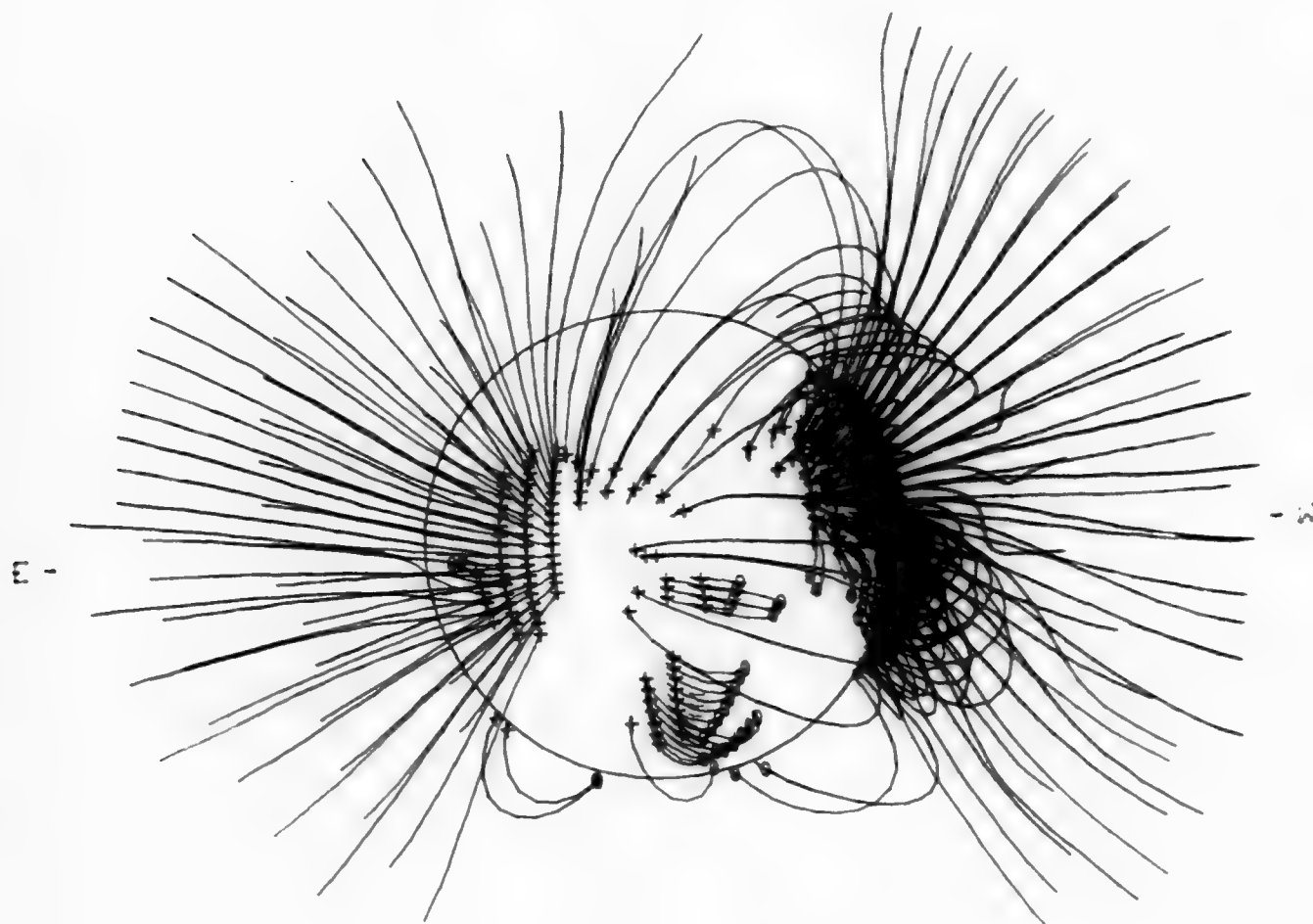


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

!
S

ROT. 1479 LONG. 151
10.8 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

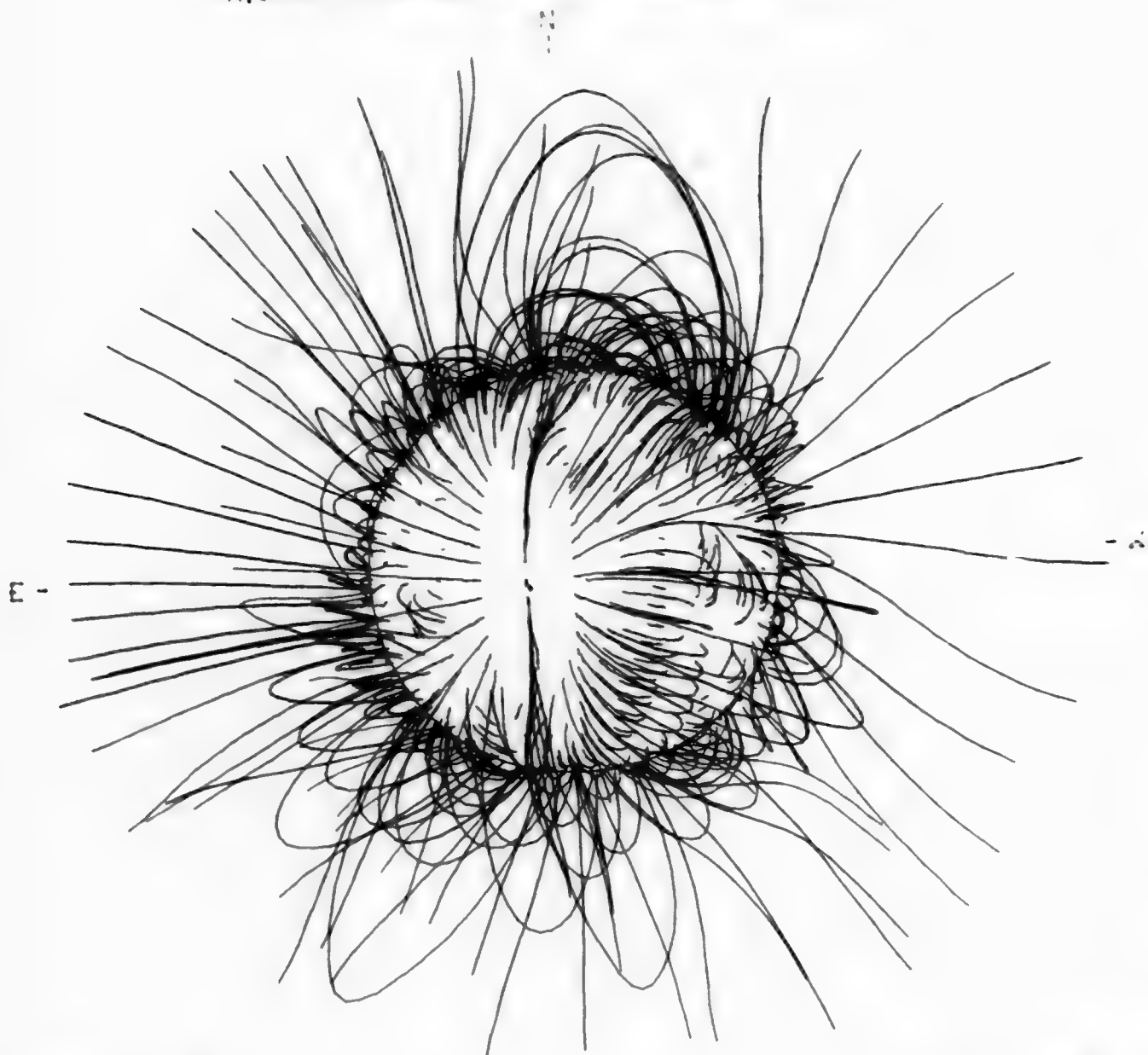


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

ROT. 1478 LONG. 150°
10.8 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

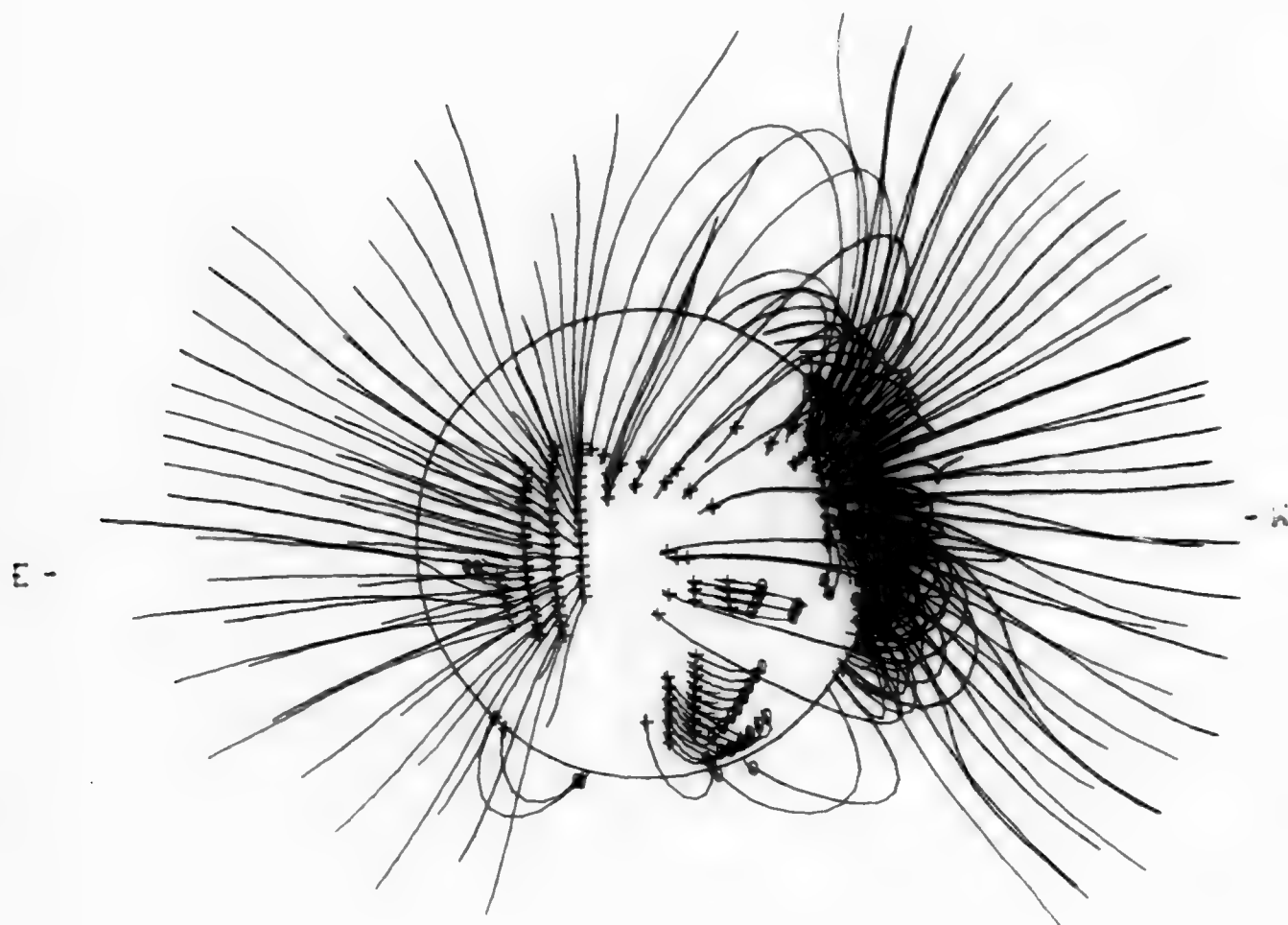
POLES AVERAGED

DATA WINDOW 1478.92

S

RCT. 1478.92 LCTD. 1478.92
11.5 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

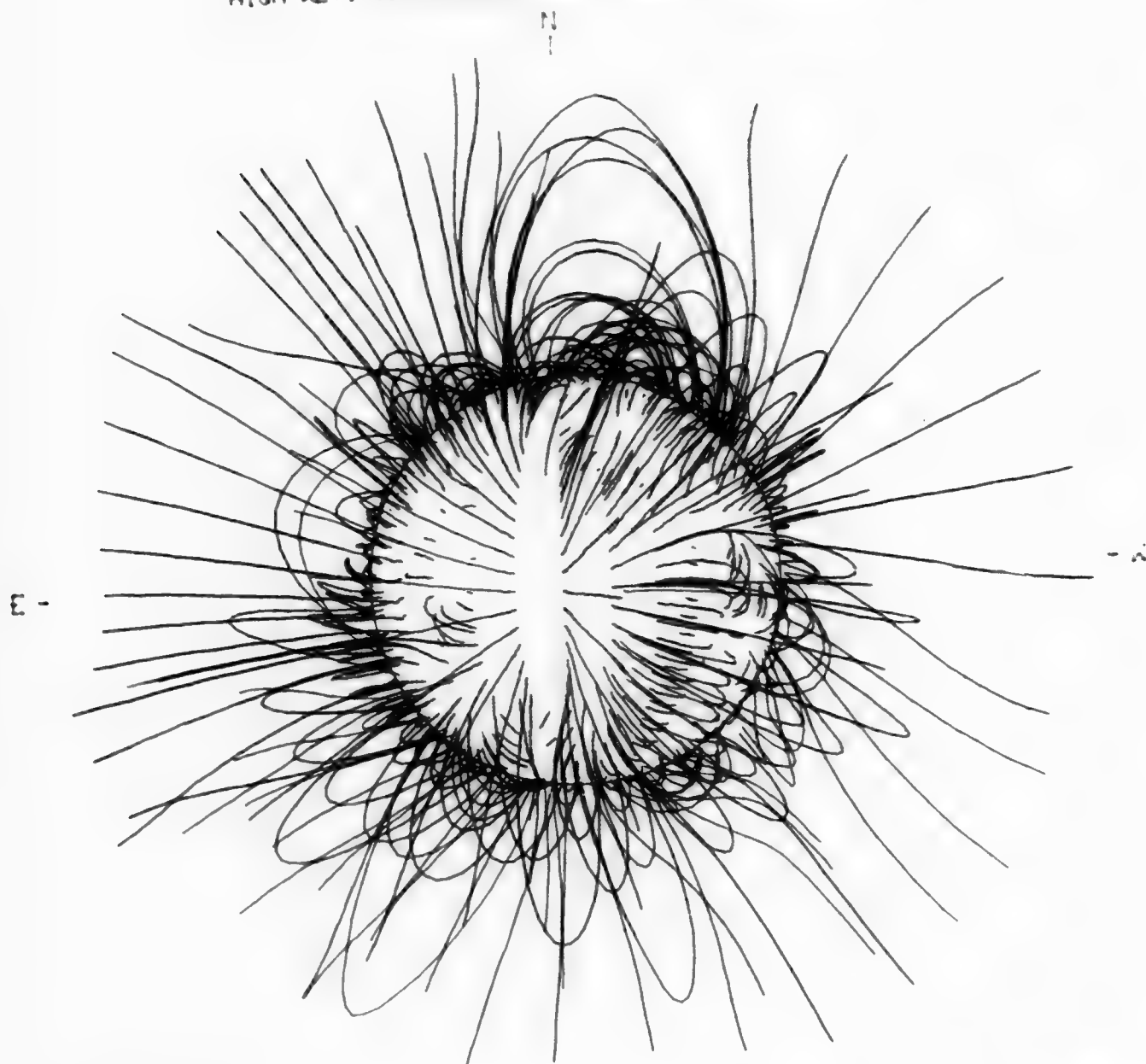


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

1
S

207.1275 LONG. 121°
11.5 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

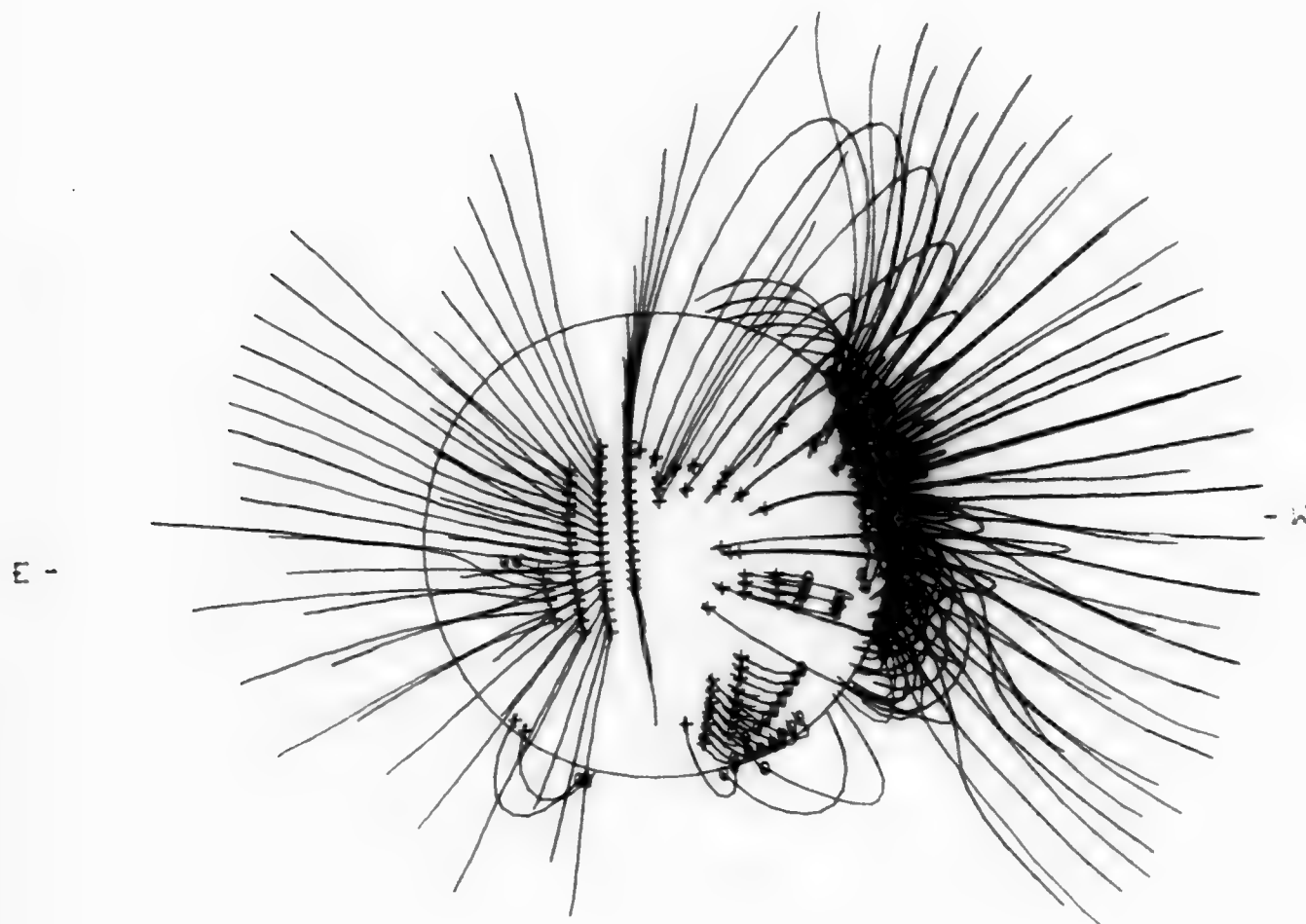


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

1
S

ROT. 1479 LONG. 130°
12.3 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

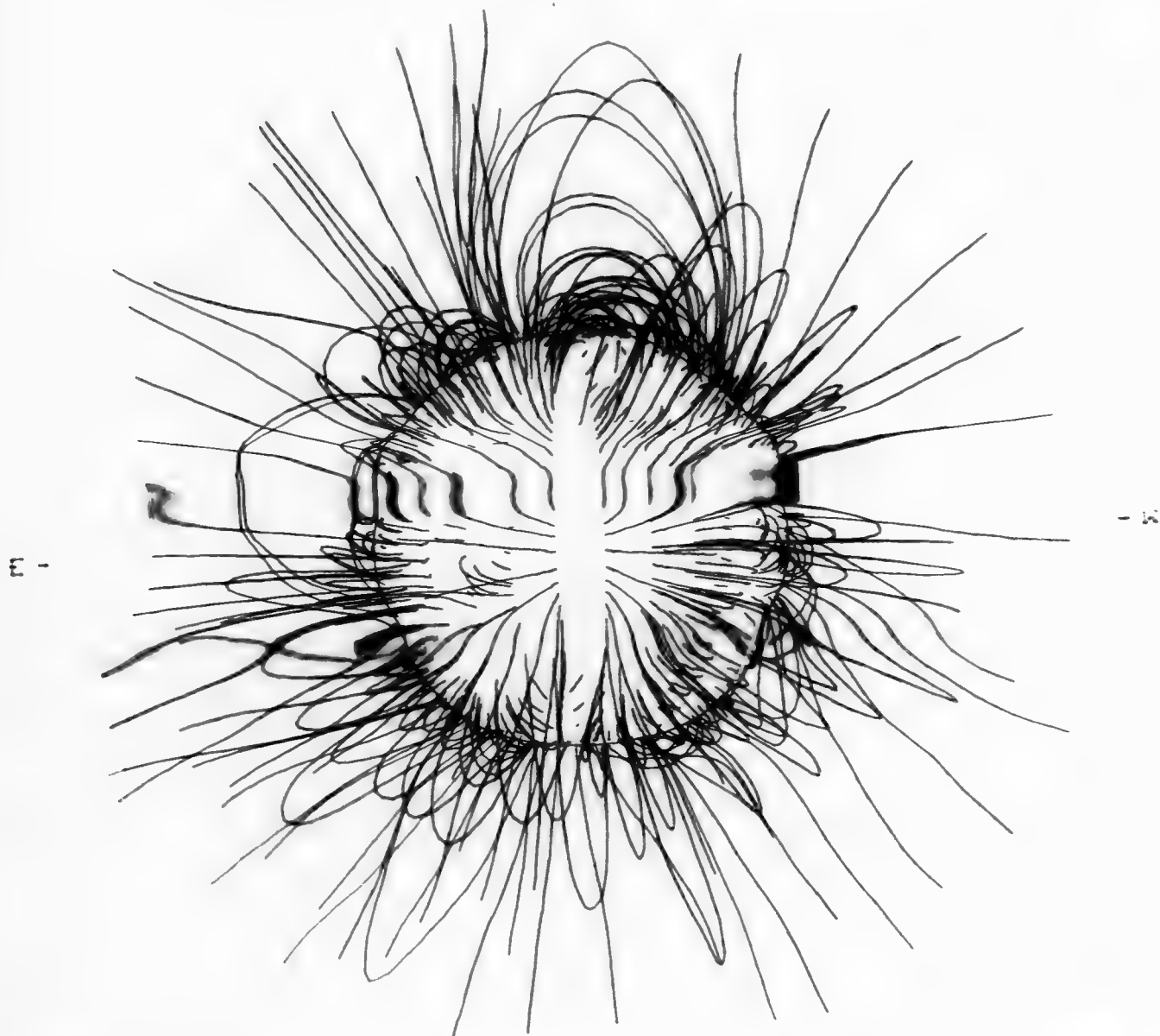


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1478.92

:
 S

RCT. 1479 2010. 130°
 12.5 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

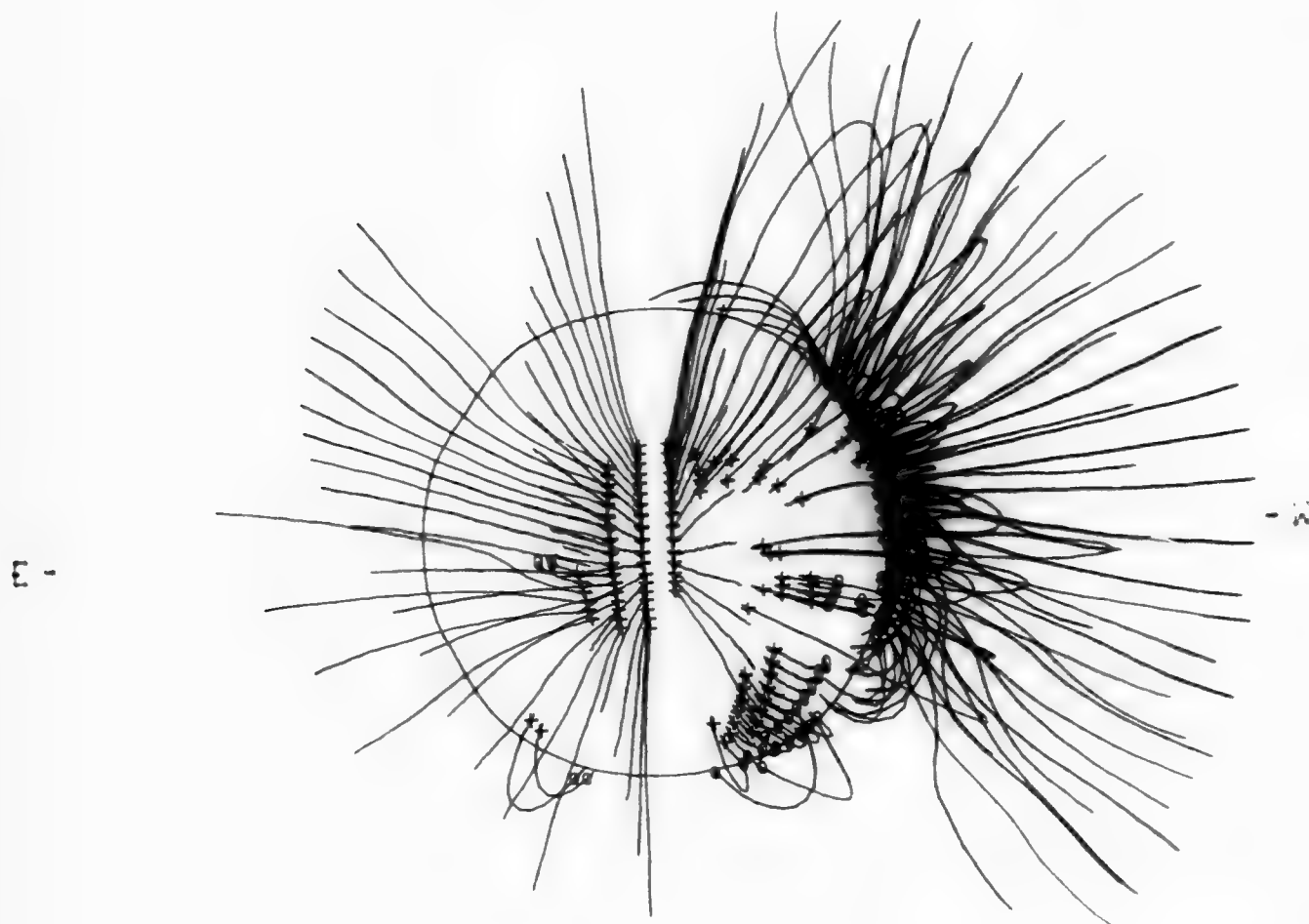


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

1
S

ROT. 1479 LONG. 121°
13.1 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

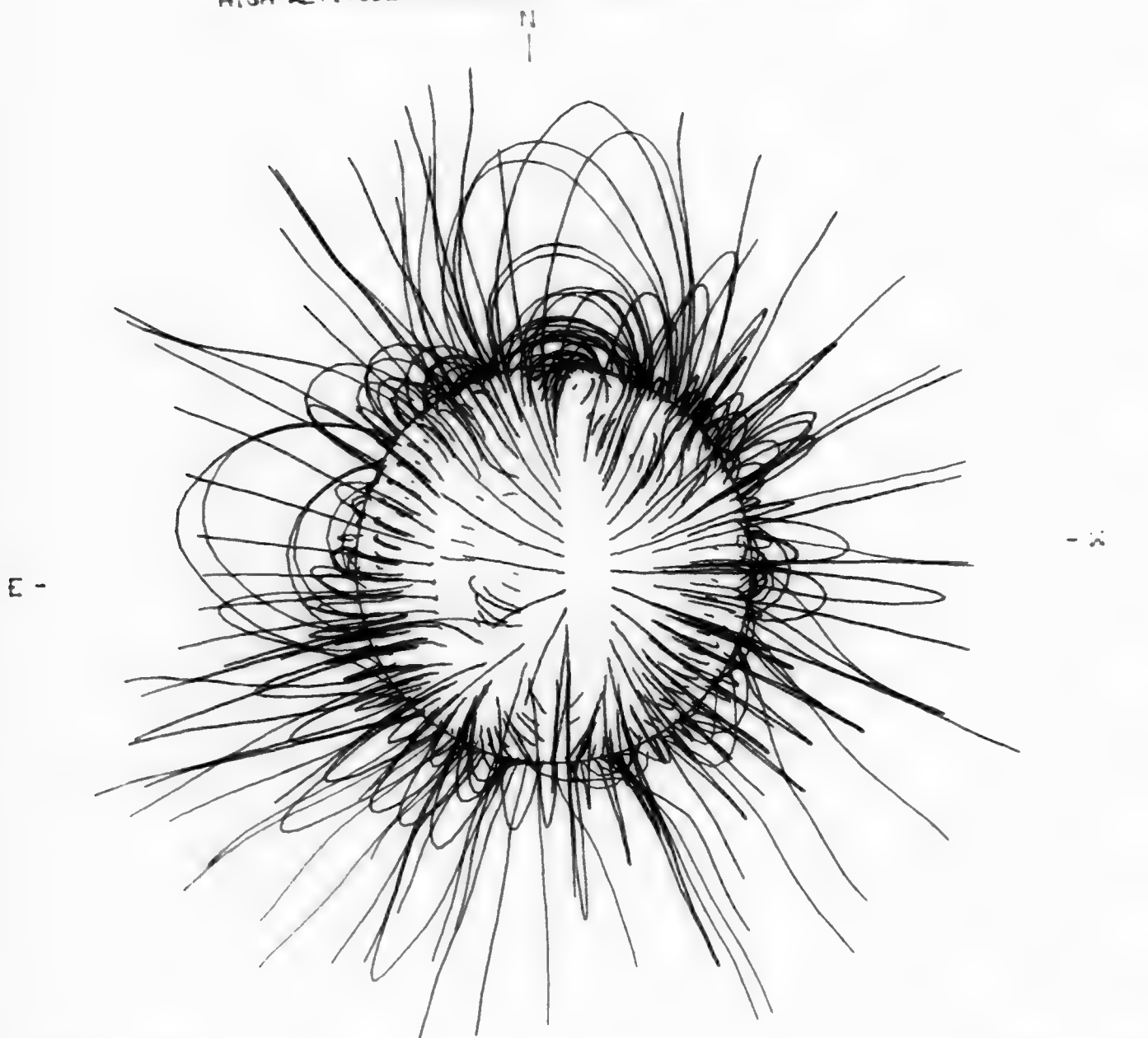


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1478.92

S

ROT. 1479 2016. 121°
 13.1 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



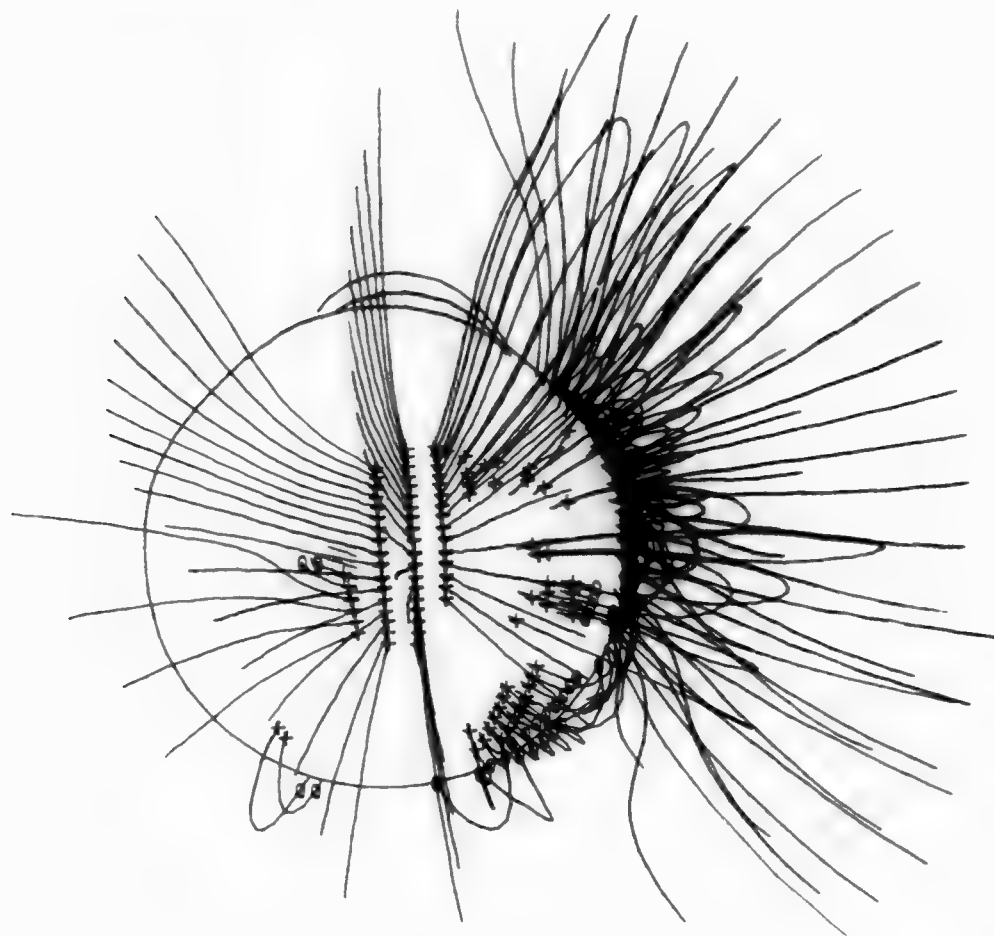
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

1
S

ROT. 1274 2018. 110°
13.8 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

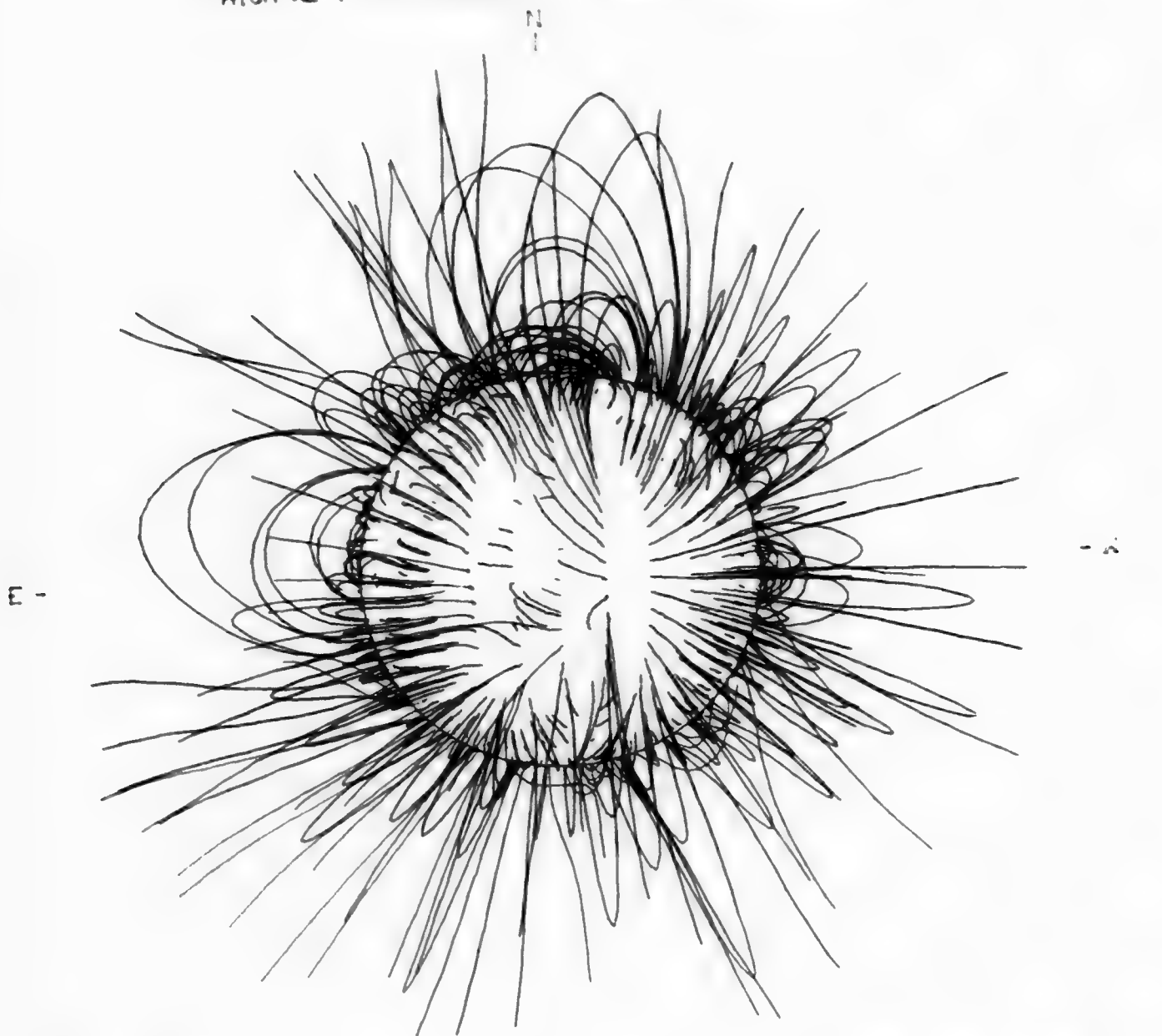


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

ROT. 1275 2013. 11.1
13.8 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

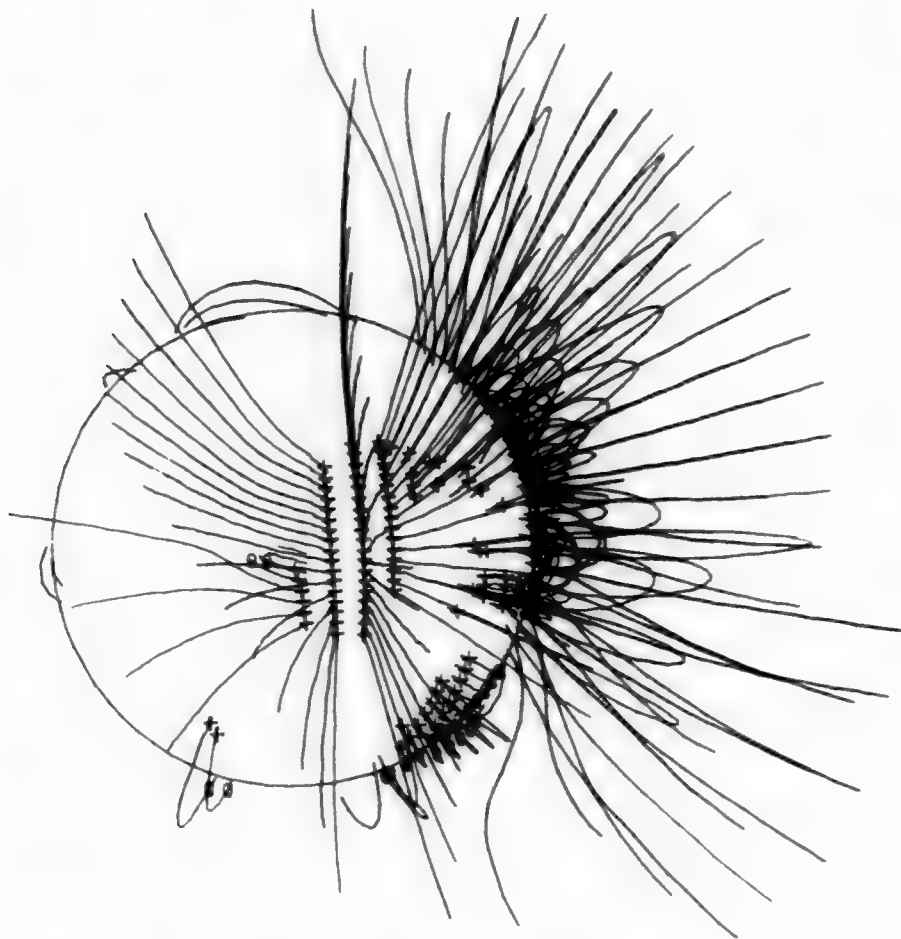
DATA WINDOW 1478.92

REF. 1479 1478.92

14.6 APR 1982

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

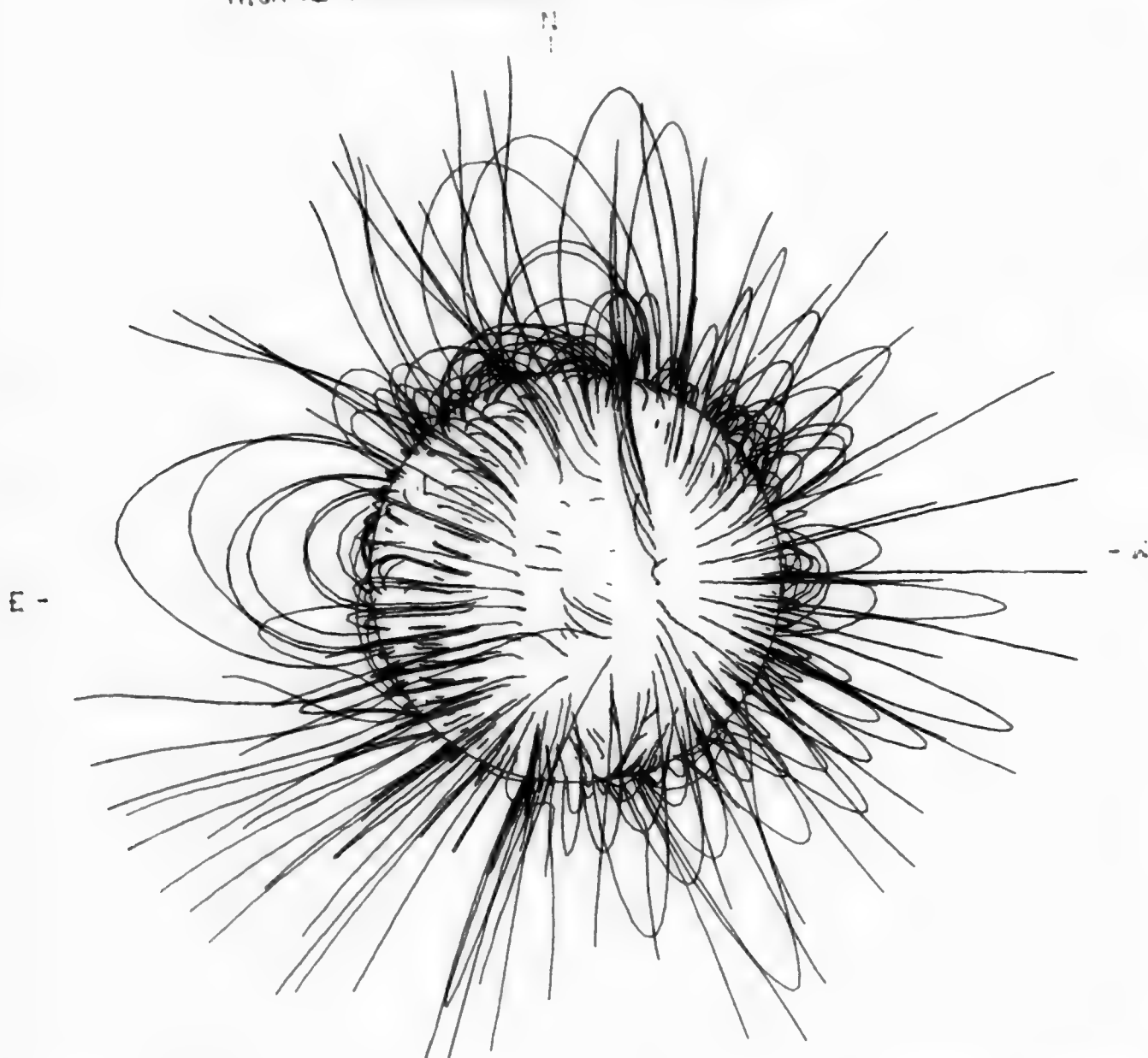


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

ROT. 1479 LONG. 100°
14.5 APR 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



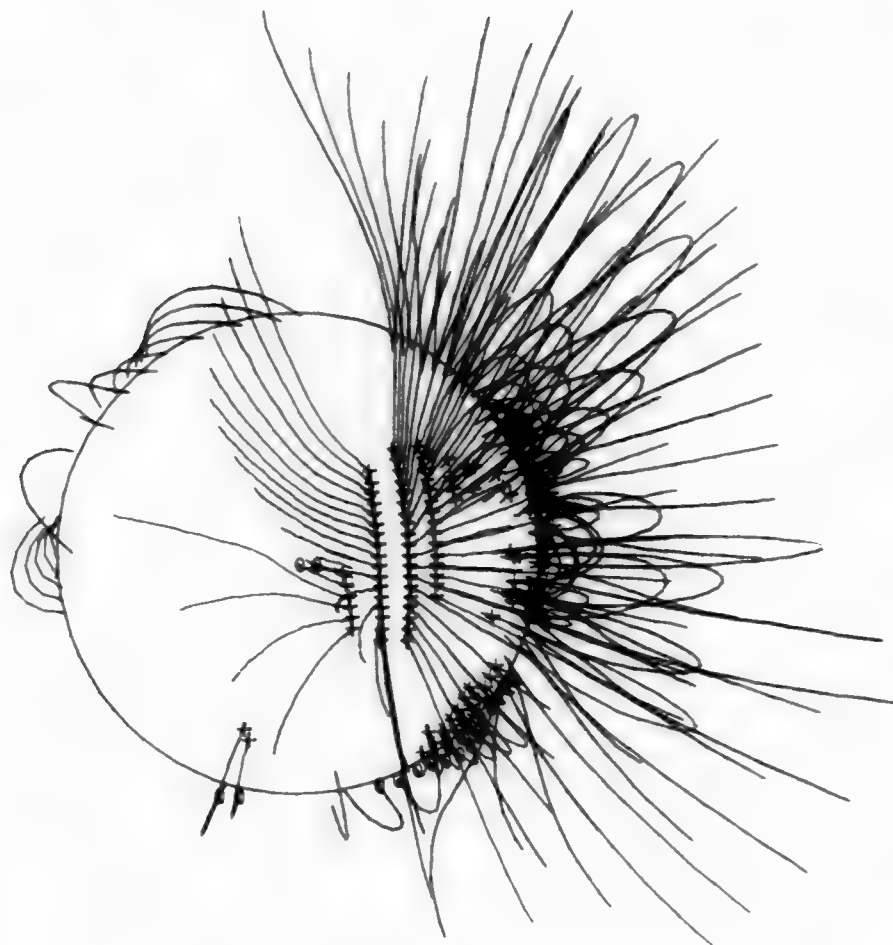
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

:
S

RET. 1279 2013. 90°
15.4 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N



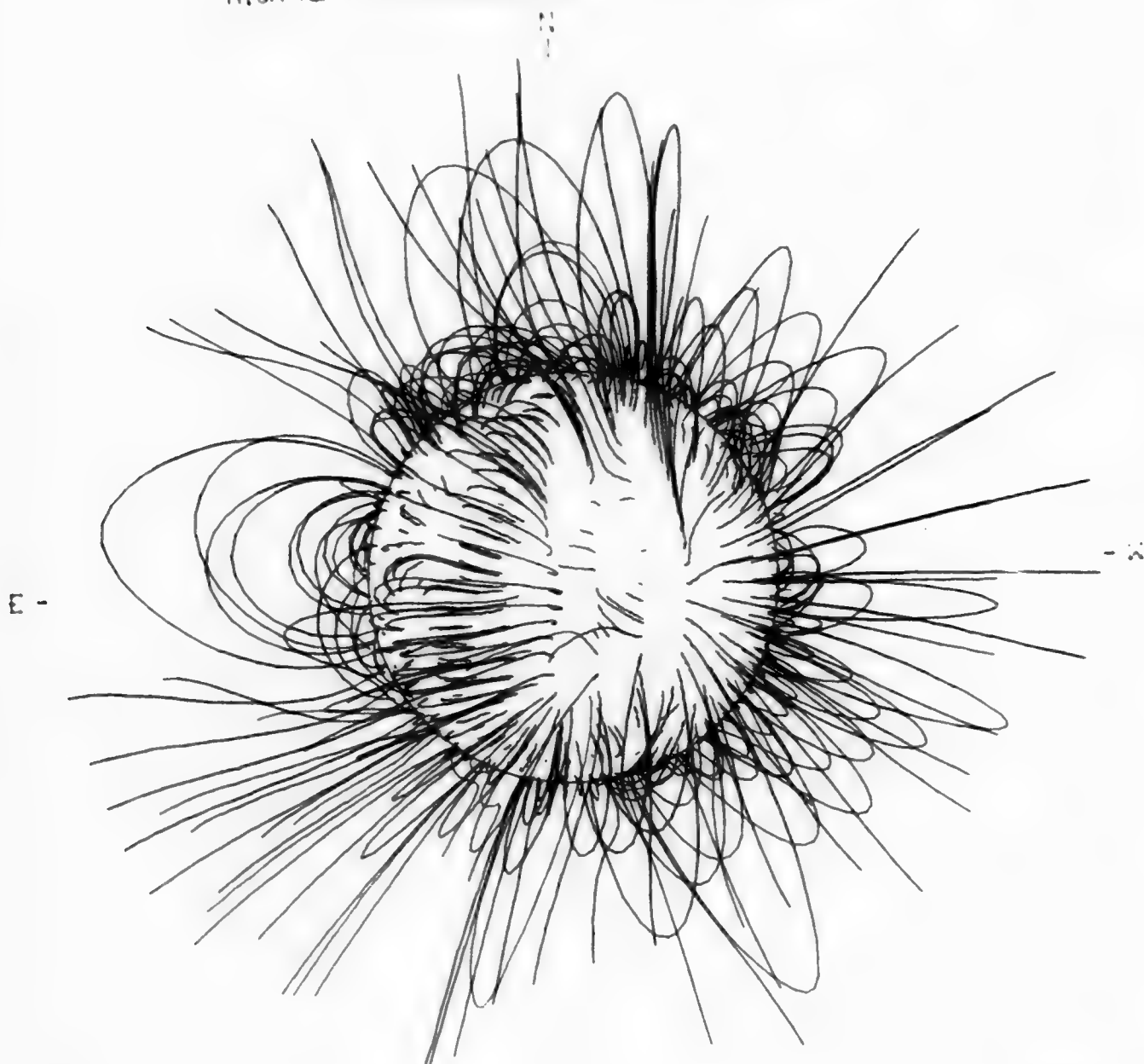
E -

QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

REF. 1478 1478.92
15.4 APR 1978

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



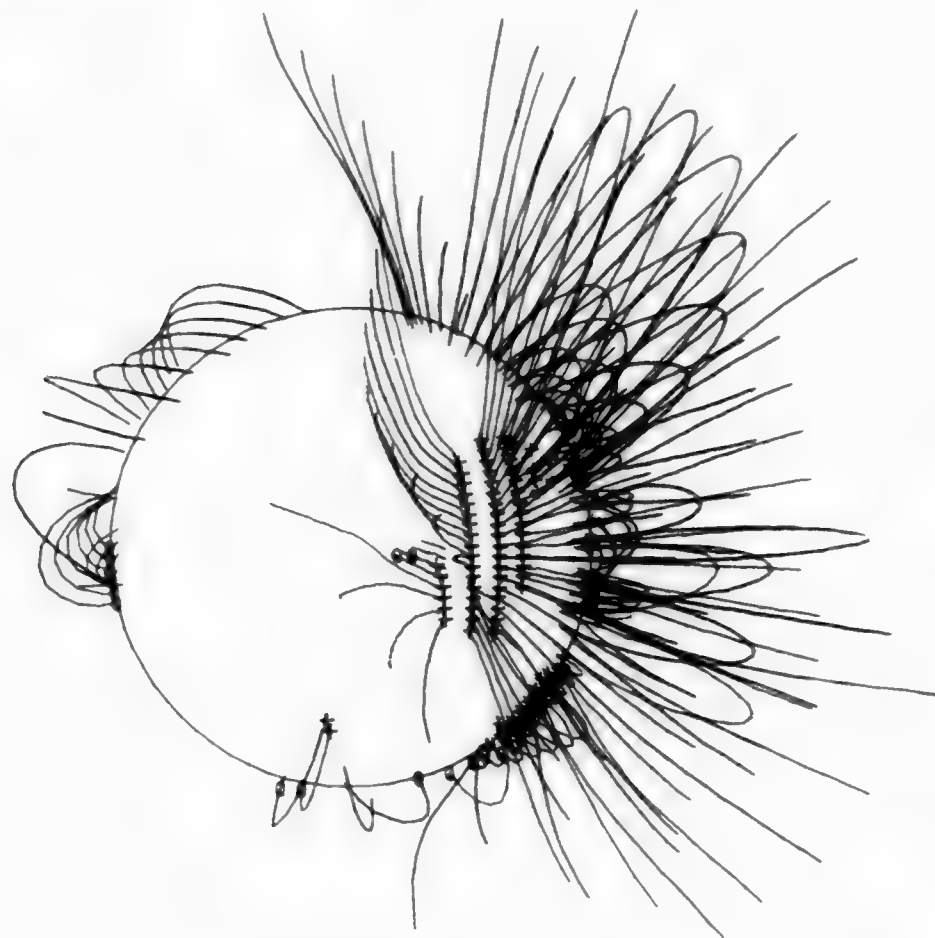
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

REL. 1275 LONG. 80°
15. APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

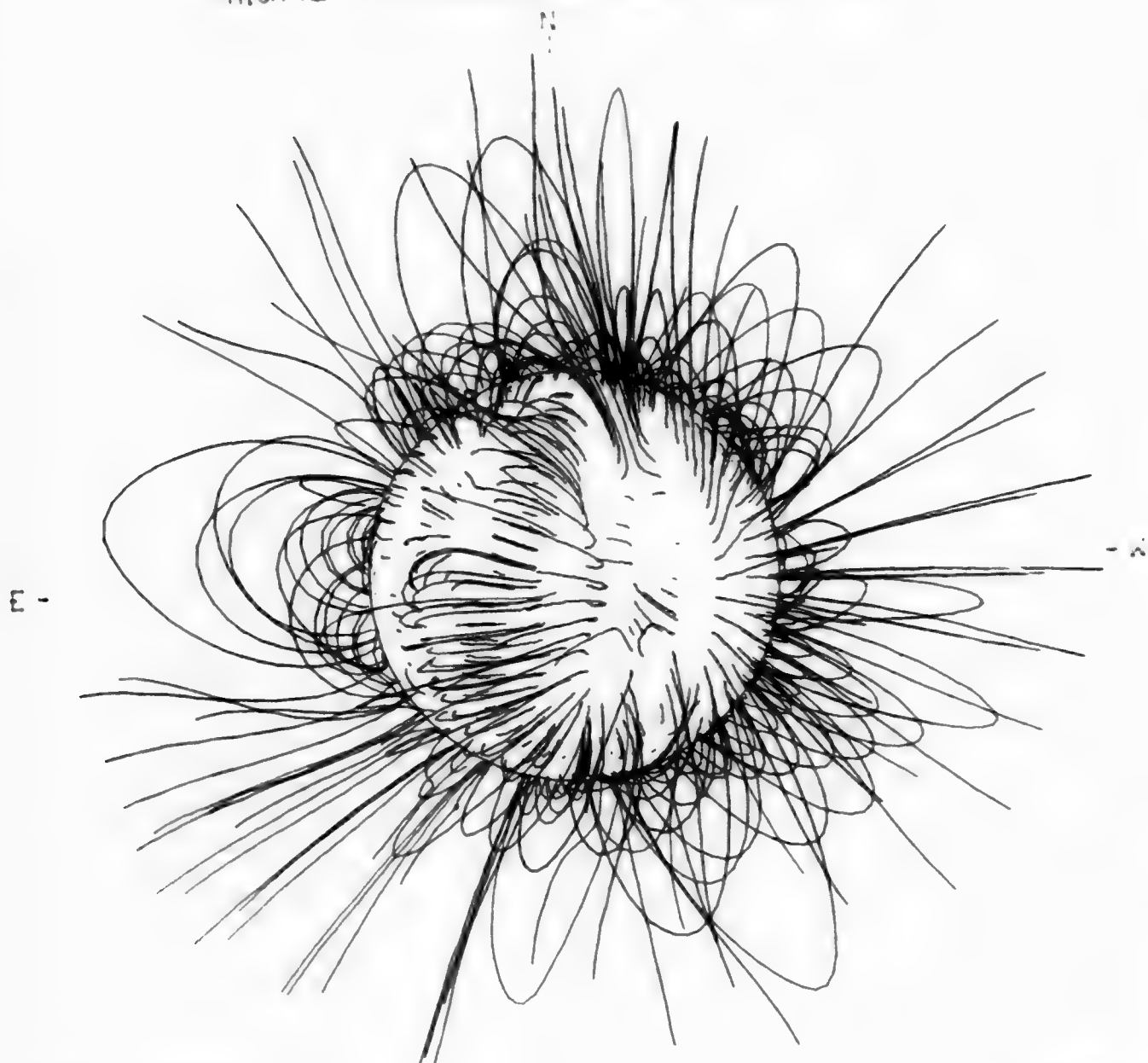


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1878.90

S

R.T. 1275 1115. 81°
15. 2PR 1984

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



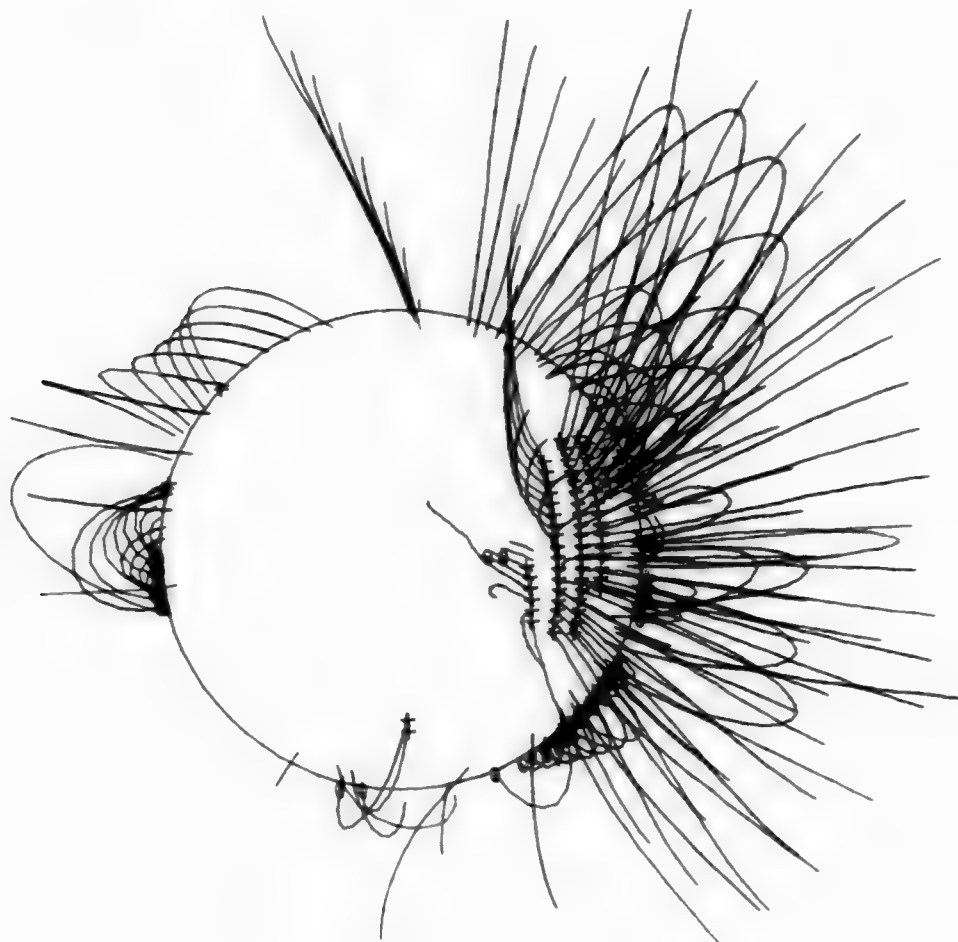
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

ROT. 1478.92
16.4 APR 1992

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

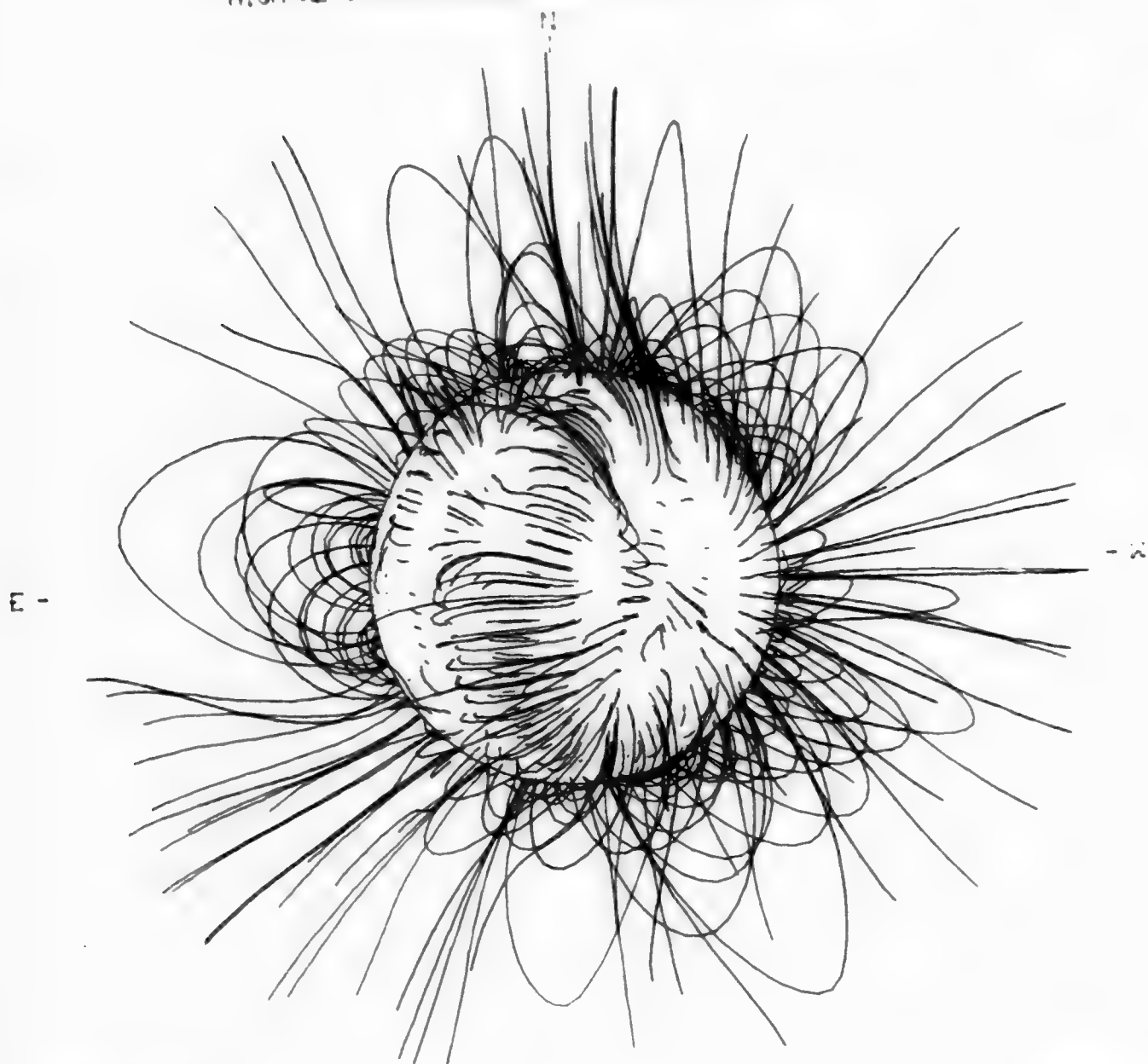


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

RCT. 1479 LONG. 71°
16.9 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

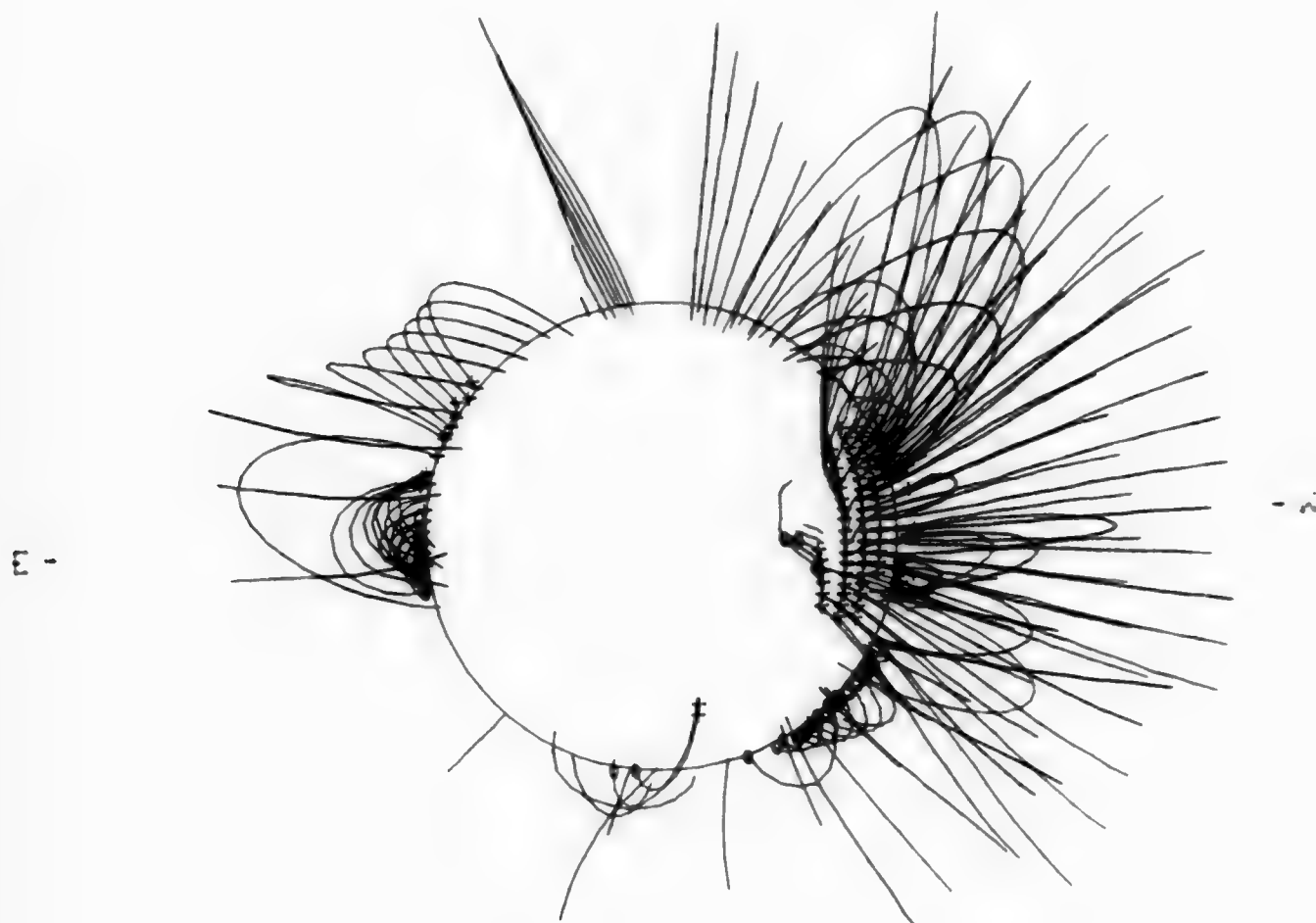


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1478.92

S

RET. 1979 2013. 50°
 17.4 APR 1984

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

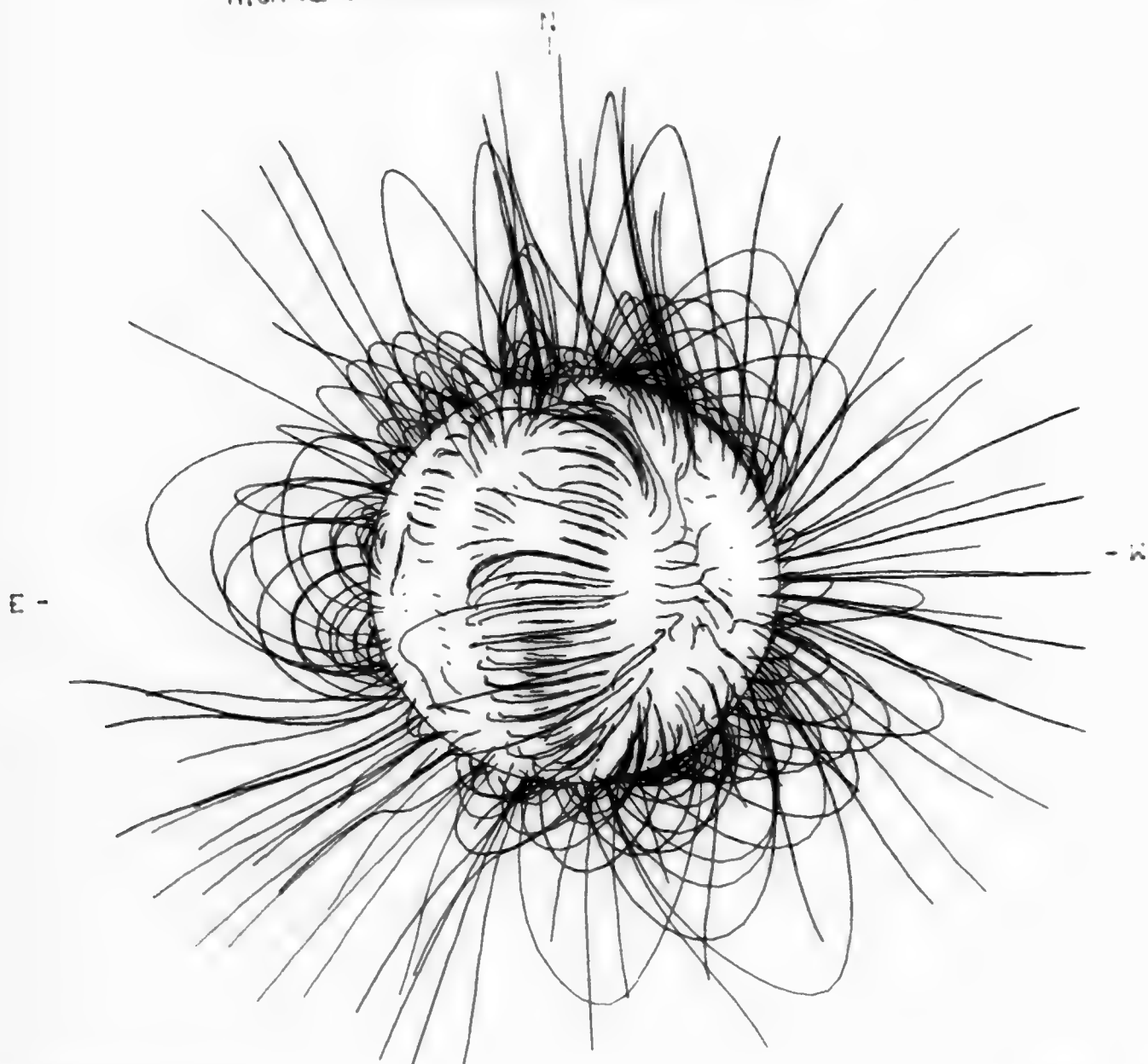


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

I
S

RJT. 1478 1478. 50°
17.6 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

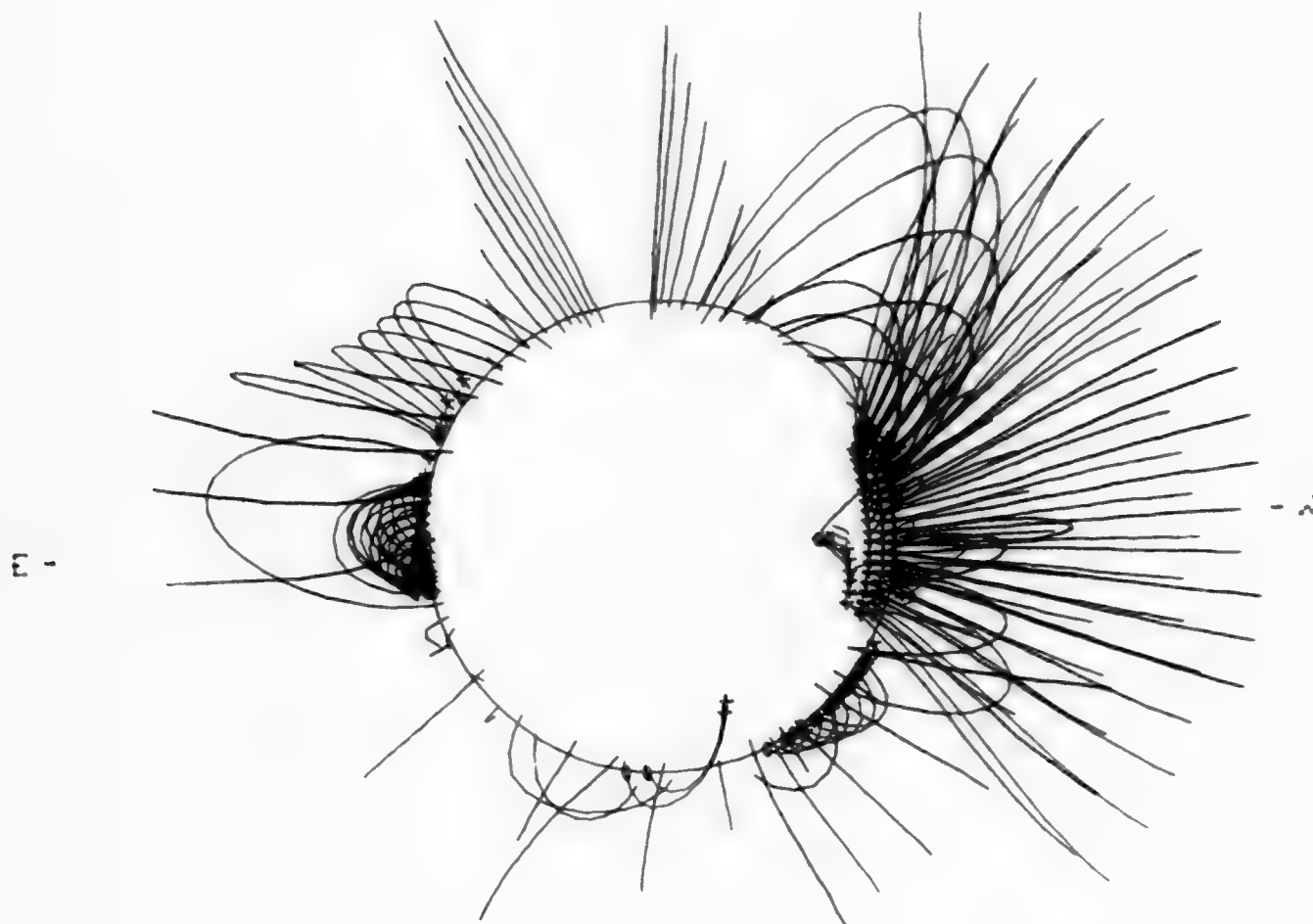


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

ROT. 1479 LONG. 51°
18.4 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

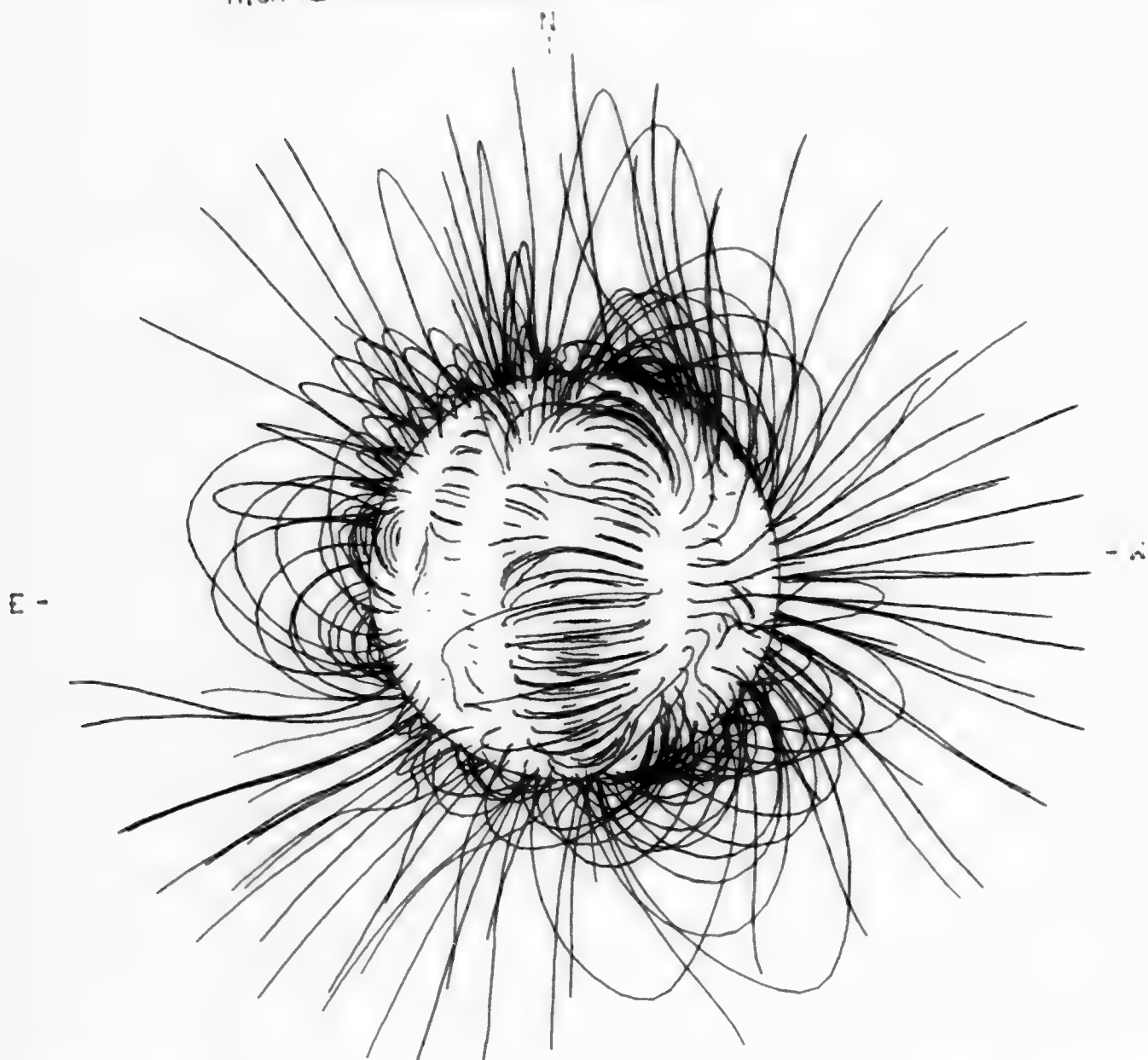


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

RCT. 1479 LONG. 50°
18.4 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

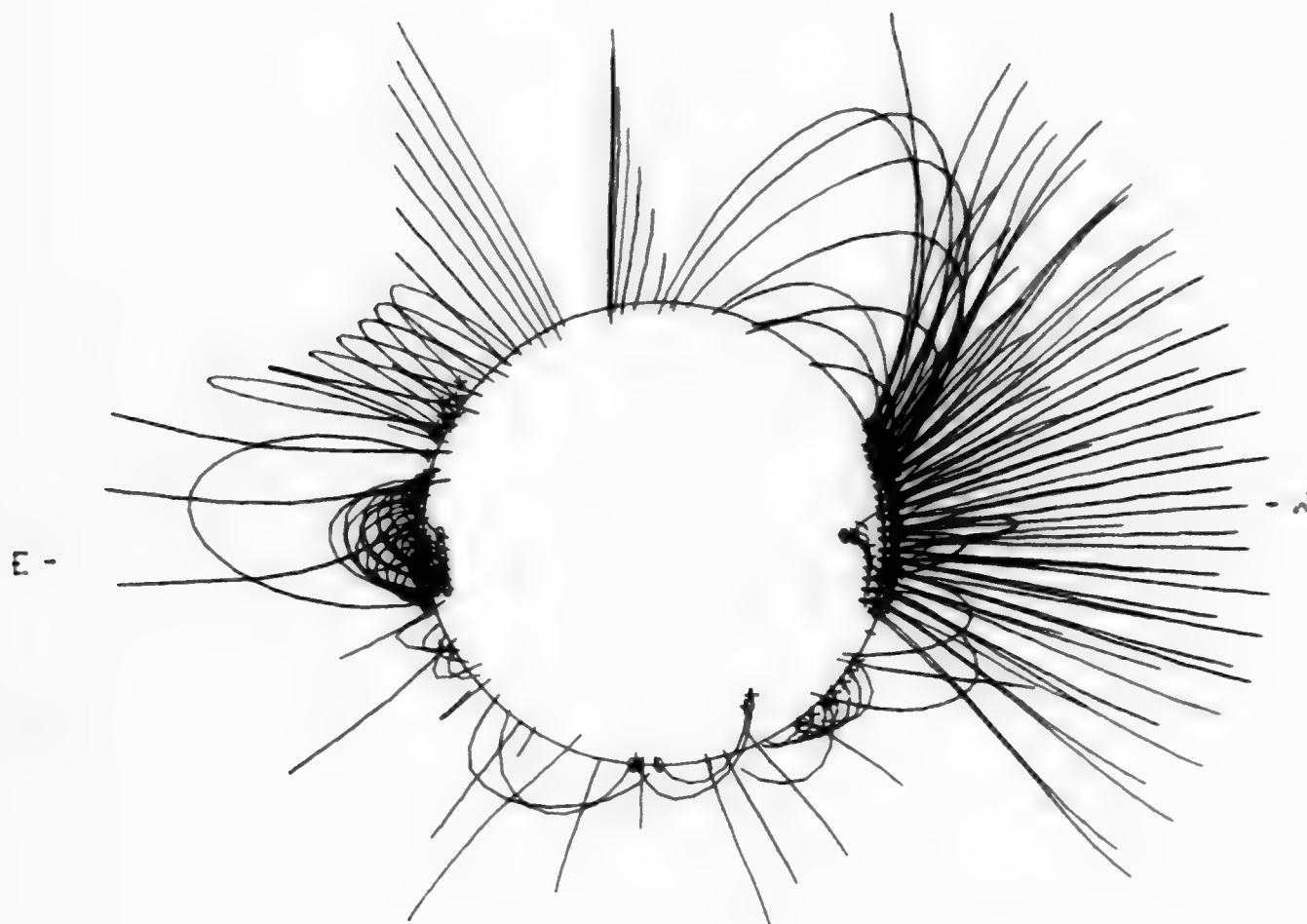
POLES AVERAGED

DATA WINDOW 1478.92

S

ROT. 1478 LONG. 40°
19.2 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

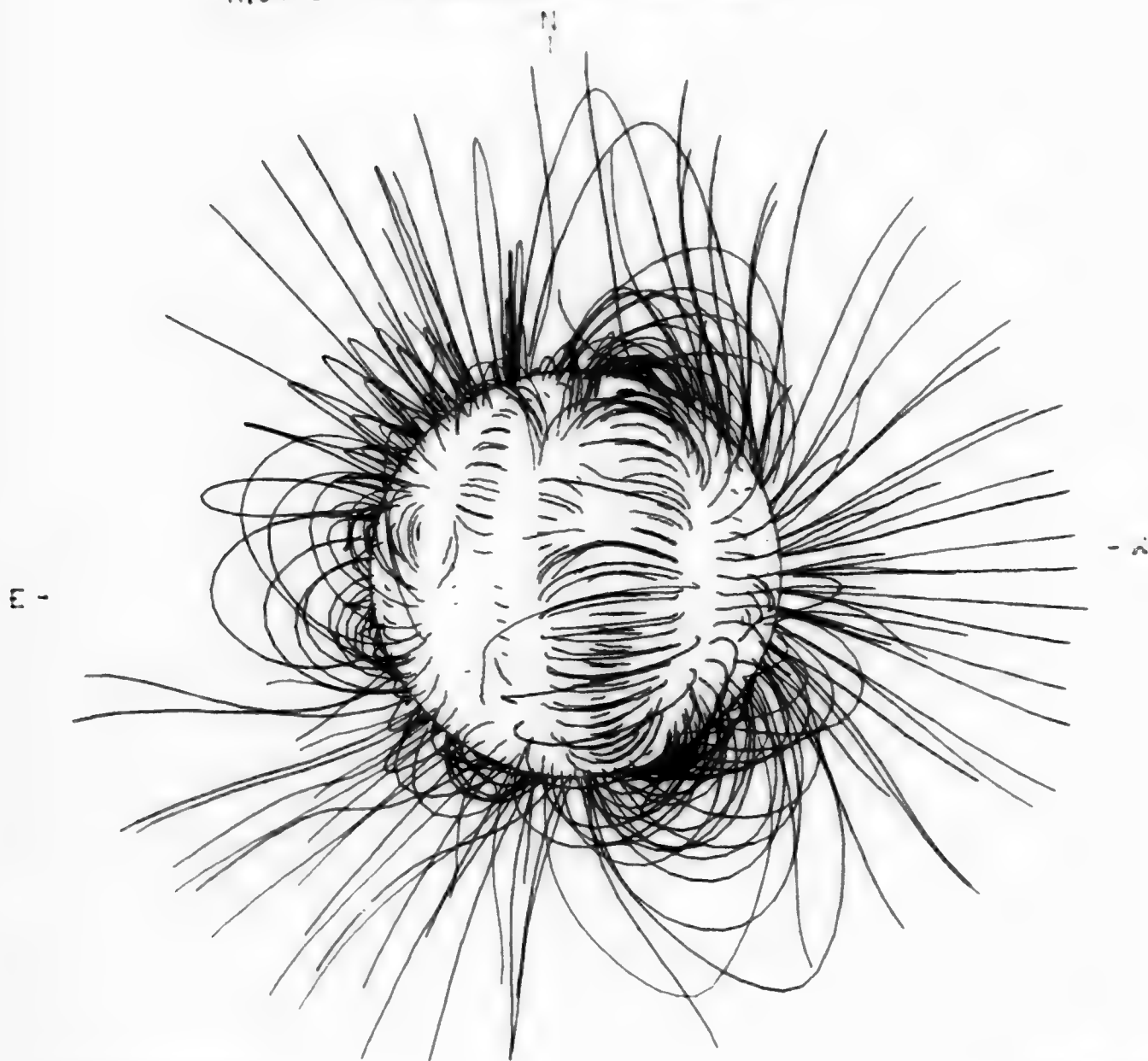


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

I
S

RJT. 1279 1213. 40°
19.2 APR 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

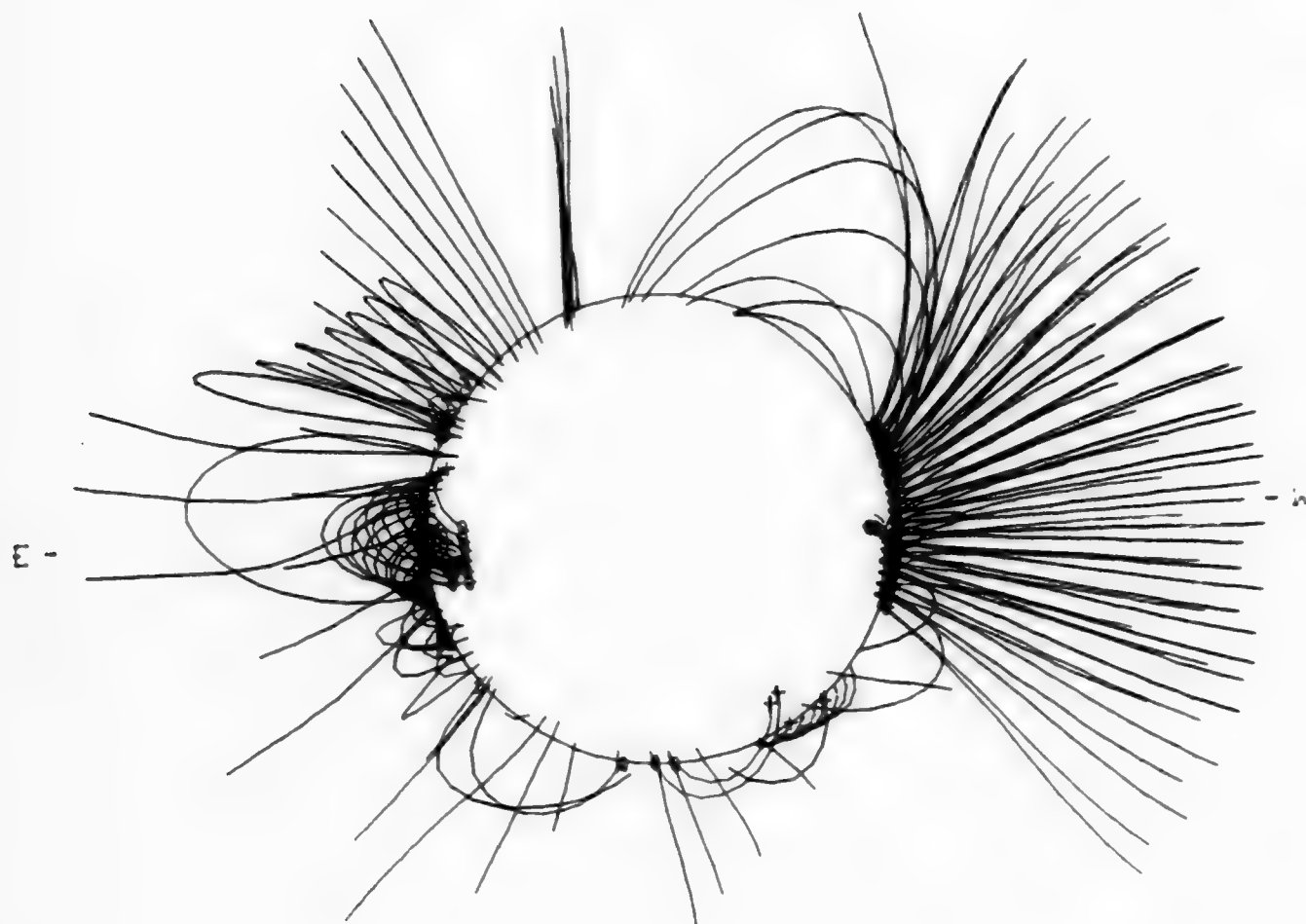


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

S

ROT. 1479 LONG. 51°
19.9 APR 1992

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1478.92

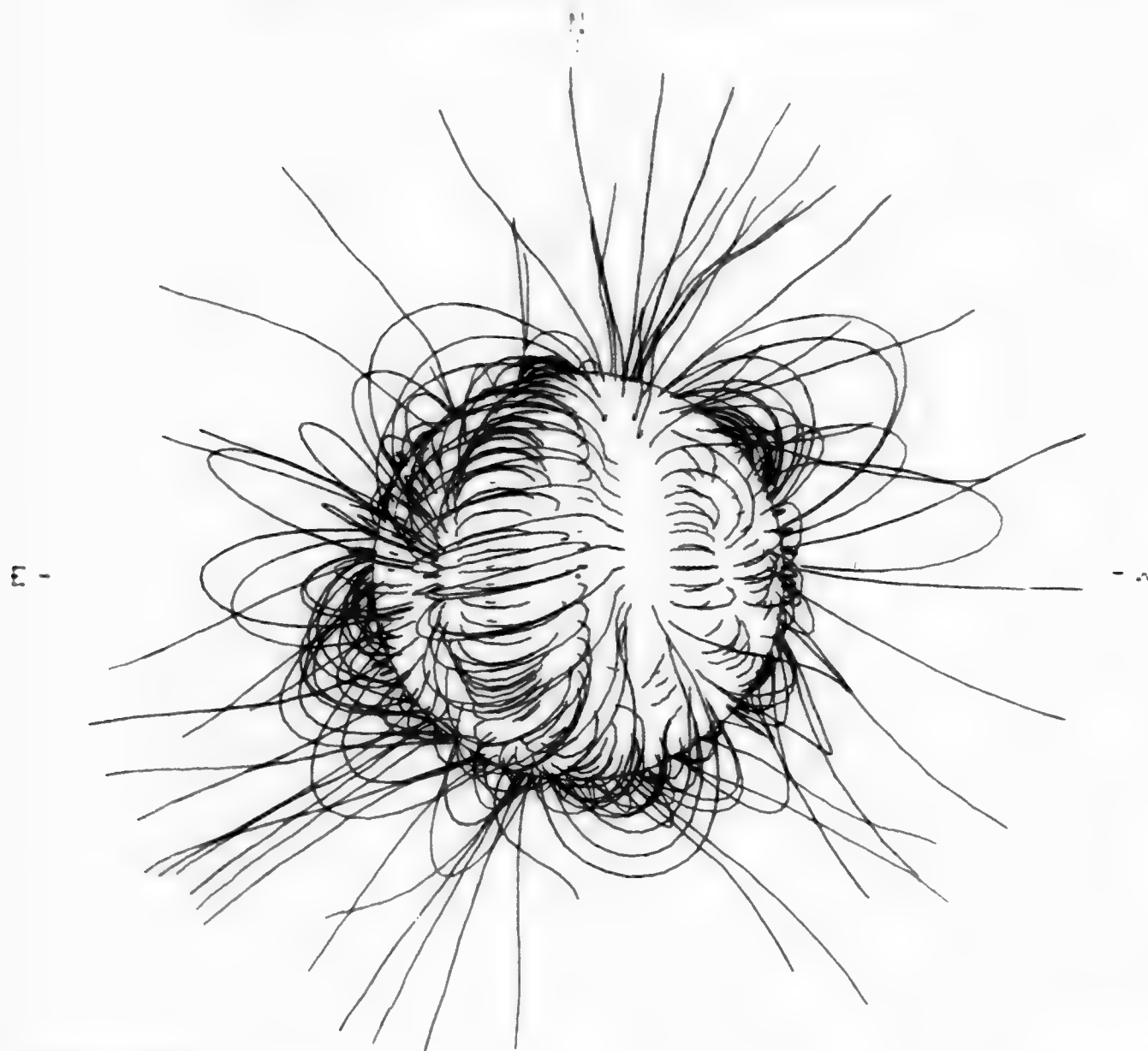
S

ROT. 127.4 LONG. 51°
19.9 APR 1964

NO OBSERVATIONS

ROT. 1479 LONG. 20--ROT. 1480 LONG. 150
20.0 APR 1964-- 8.1 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

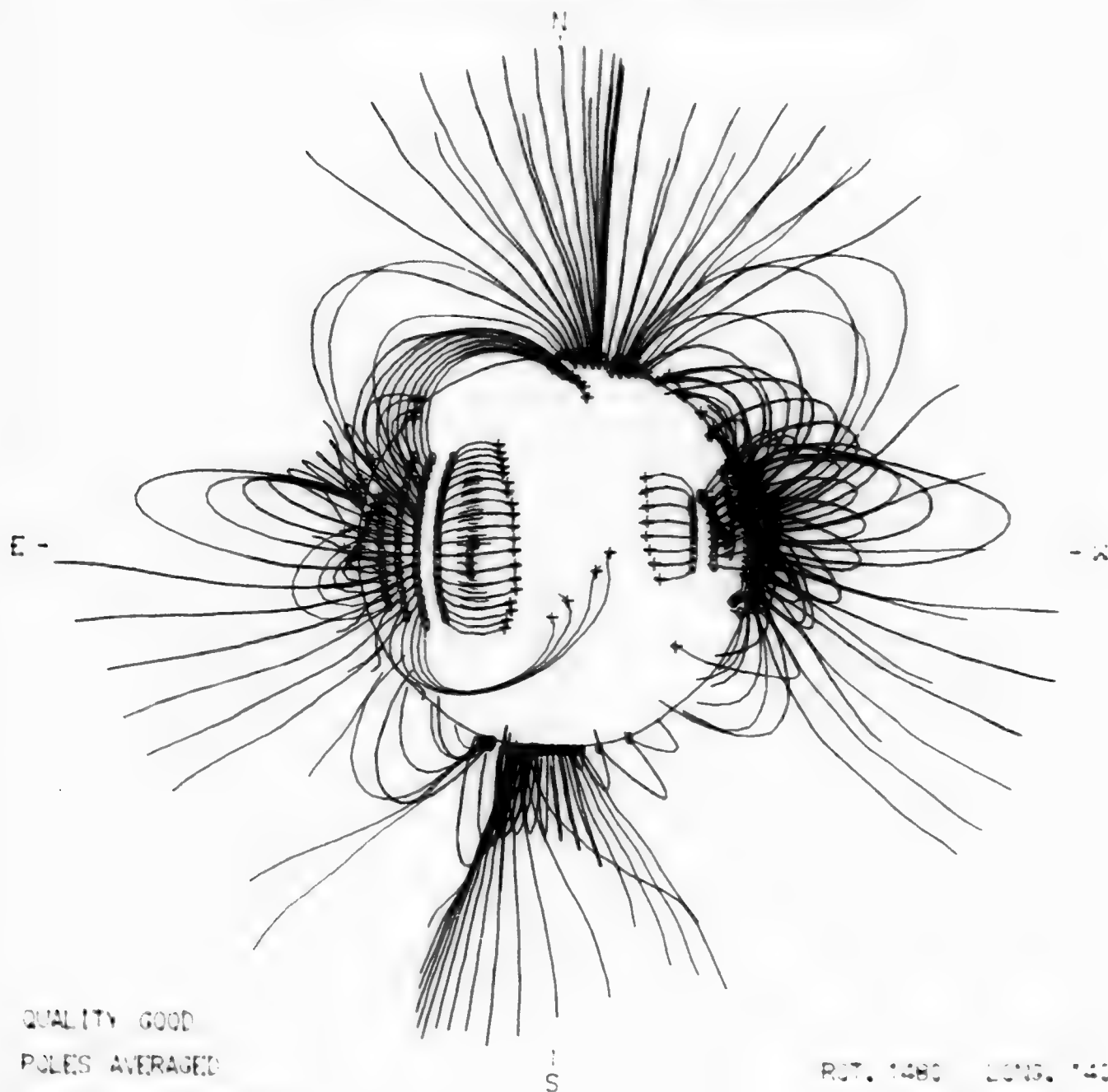


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1480.58

S

ROT. 1480 LONG. 141°
 8.8 MAY 1964

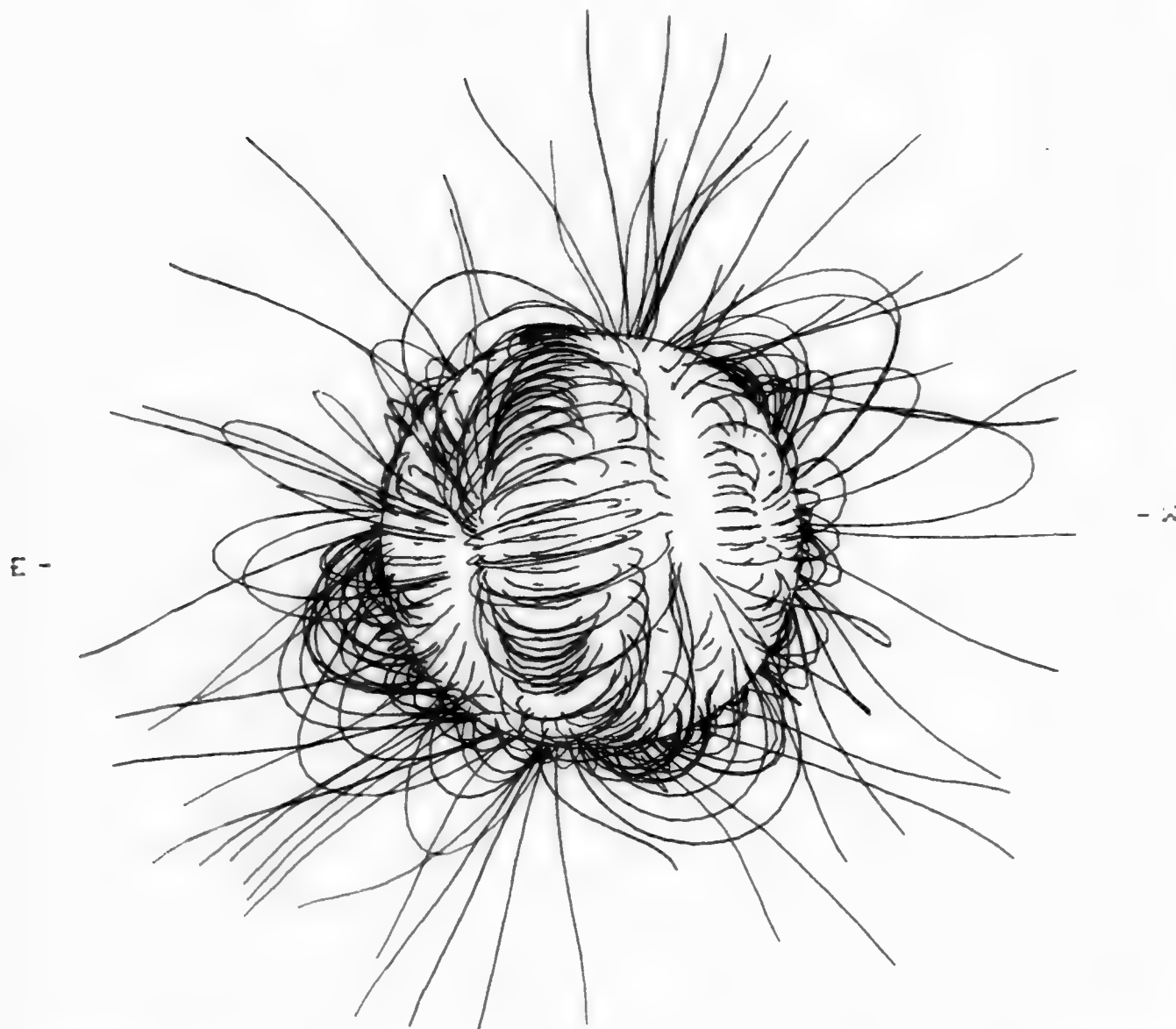
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1480 LONG. 140°
8.8 MAY 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

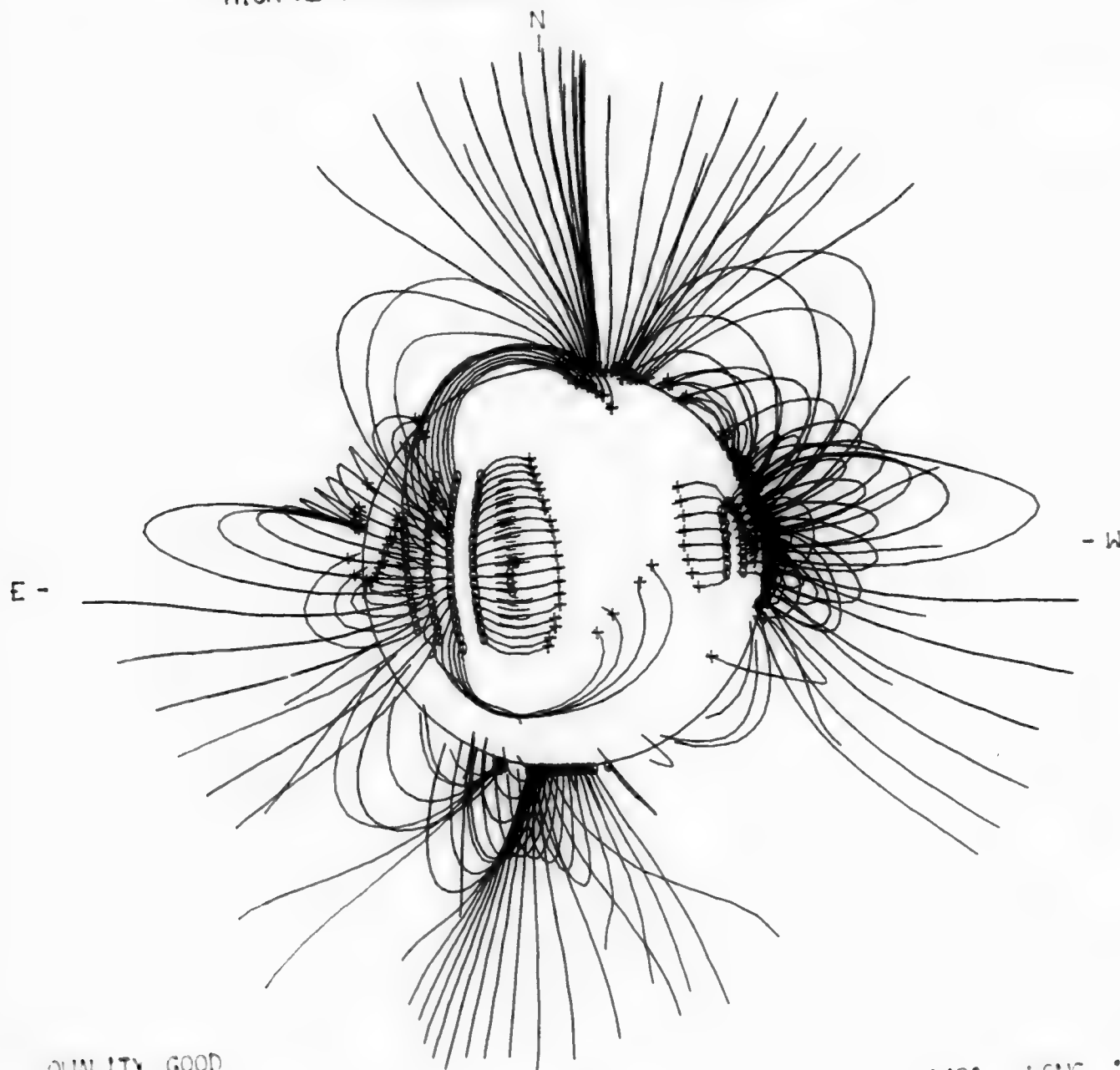


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.180.58

1
S

ROT. 1480 LONG. 130°
9.6 MAY 1964

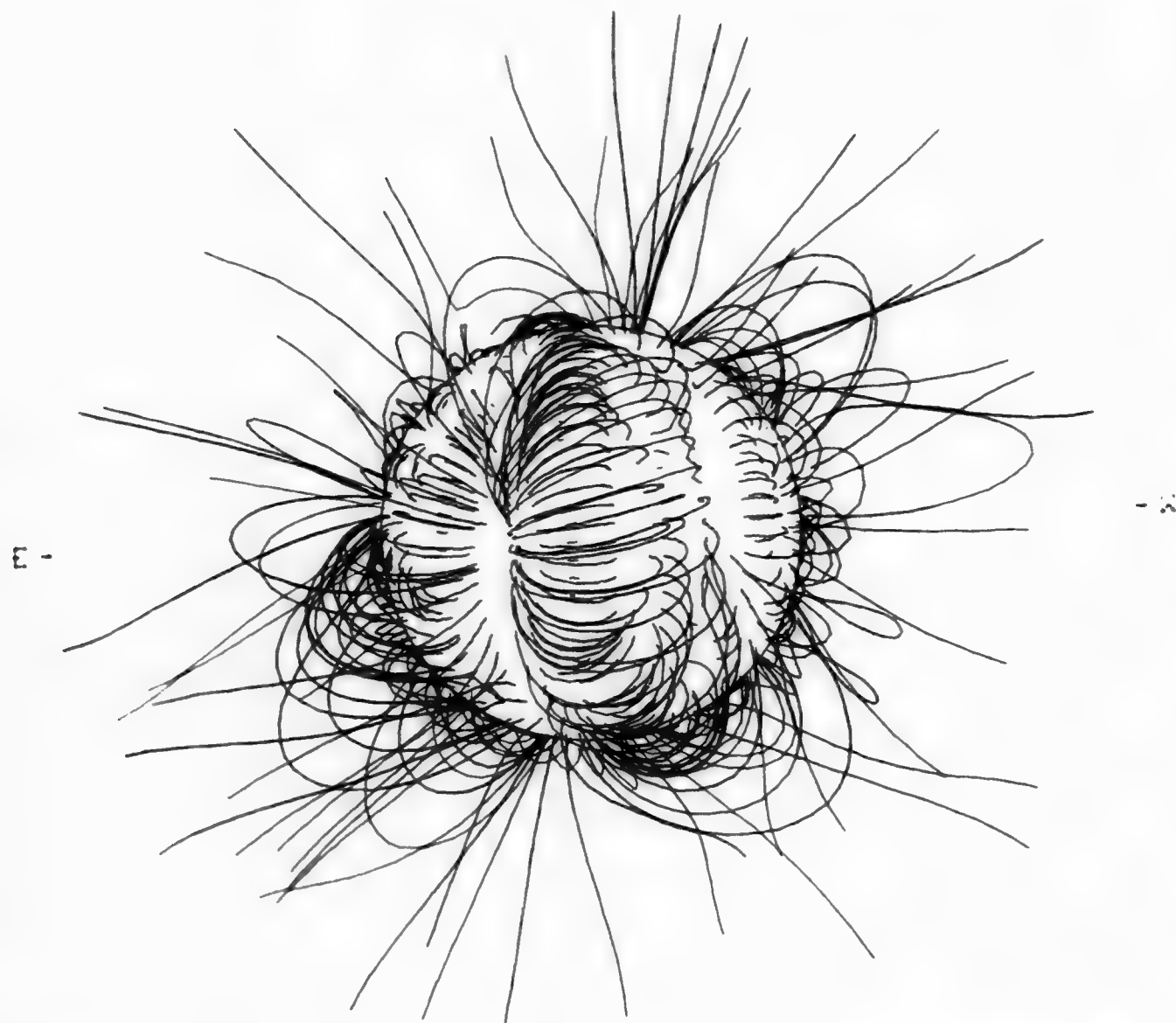
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1480 LONG. 130°
9.6 MAY 1964

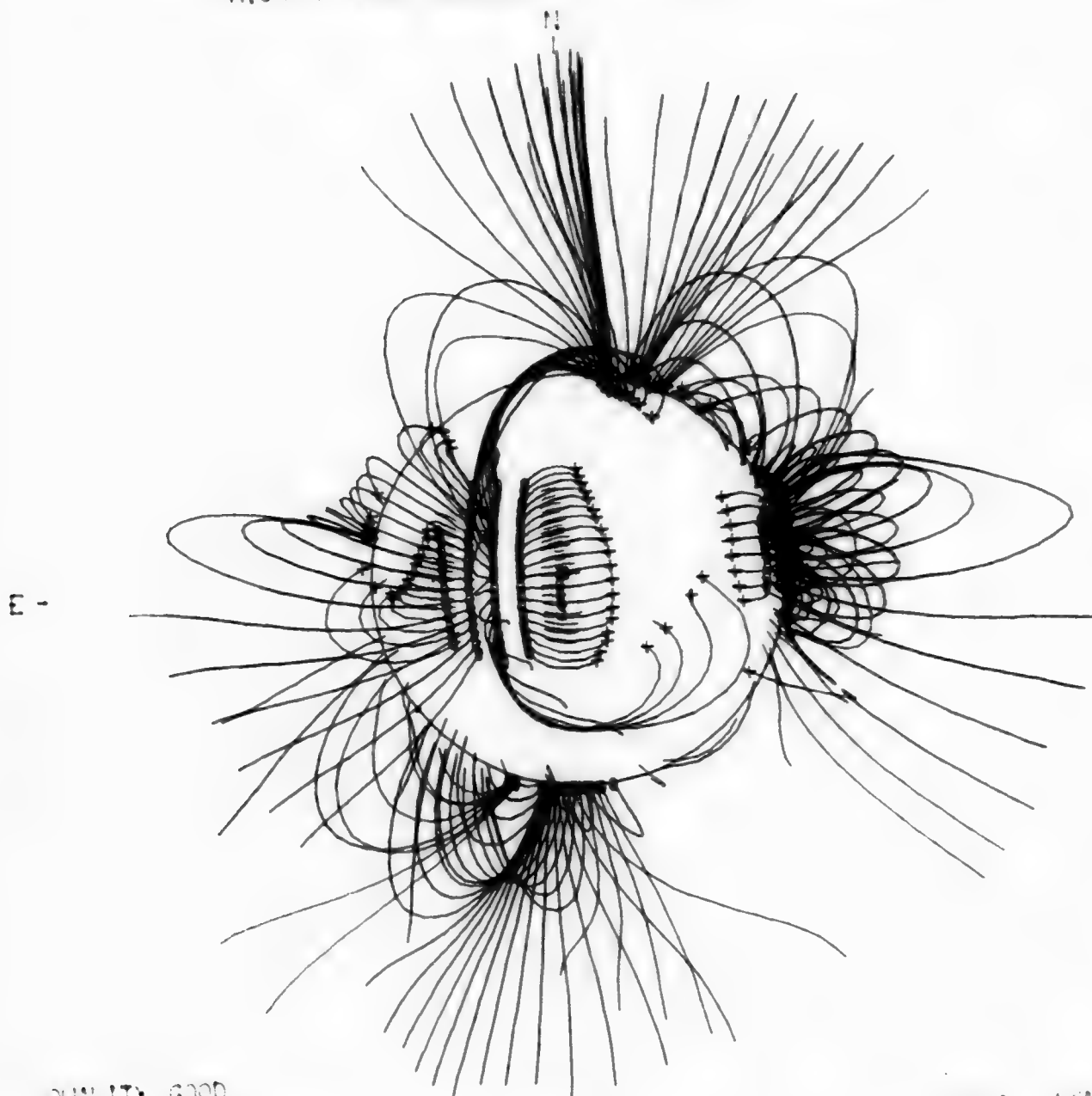
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1480 LONG. 120°
10.3 MAY 1964

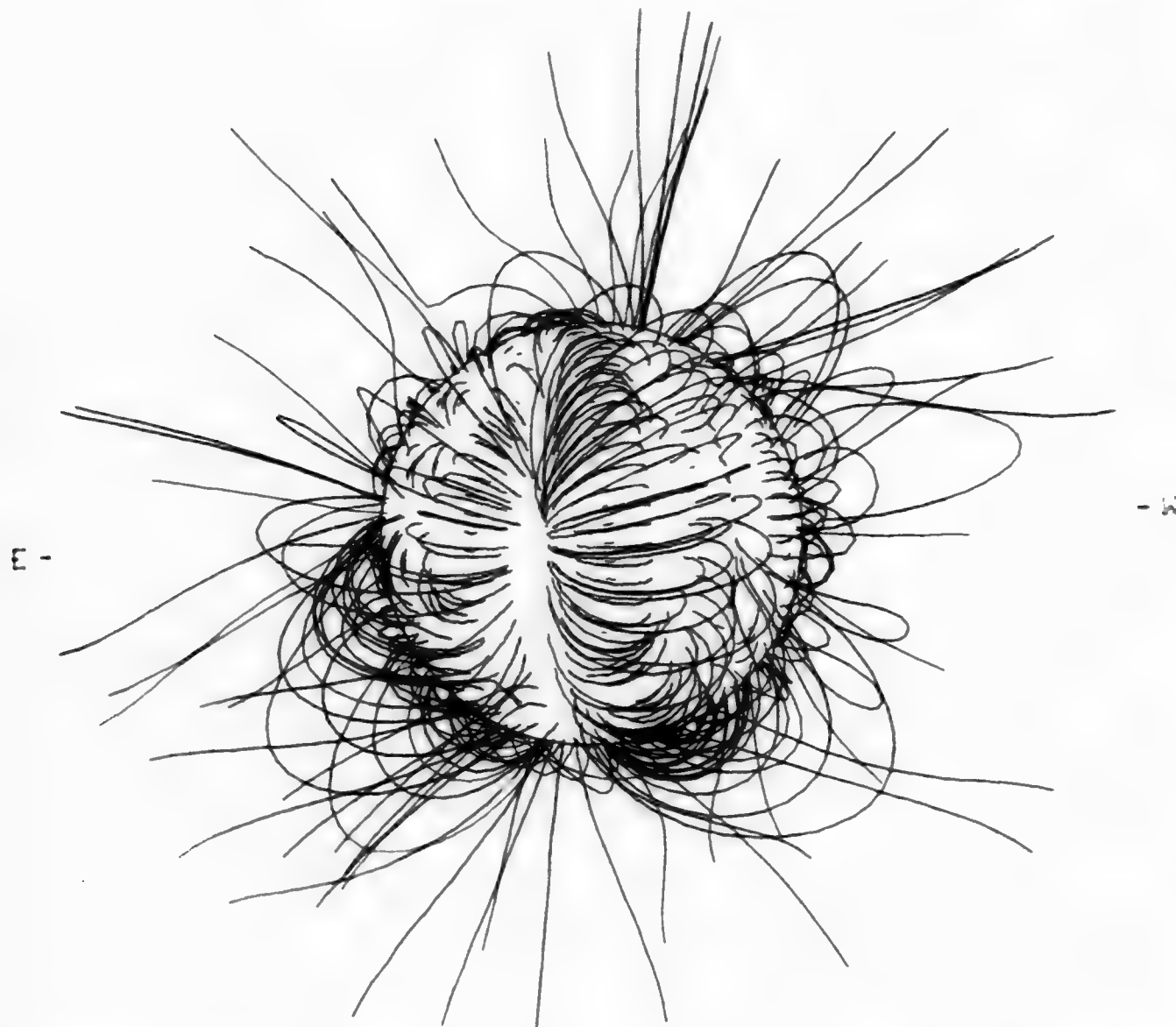
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1480 LONG. 120°
10.3 MAY 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

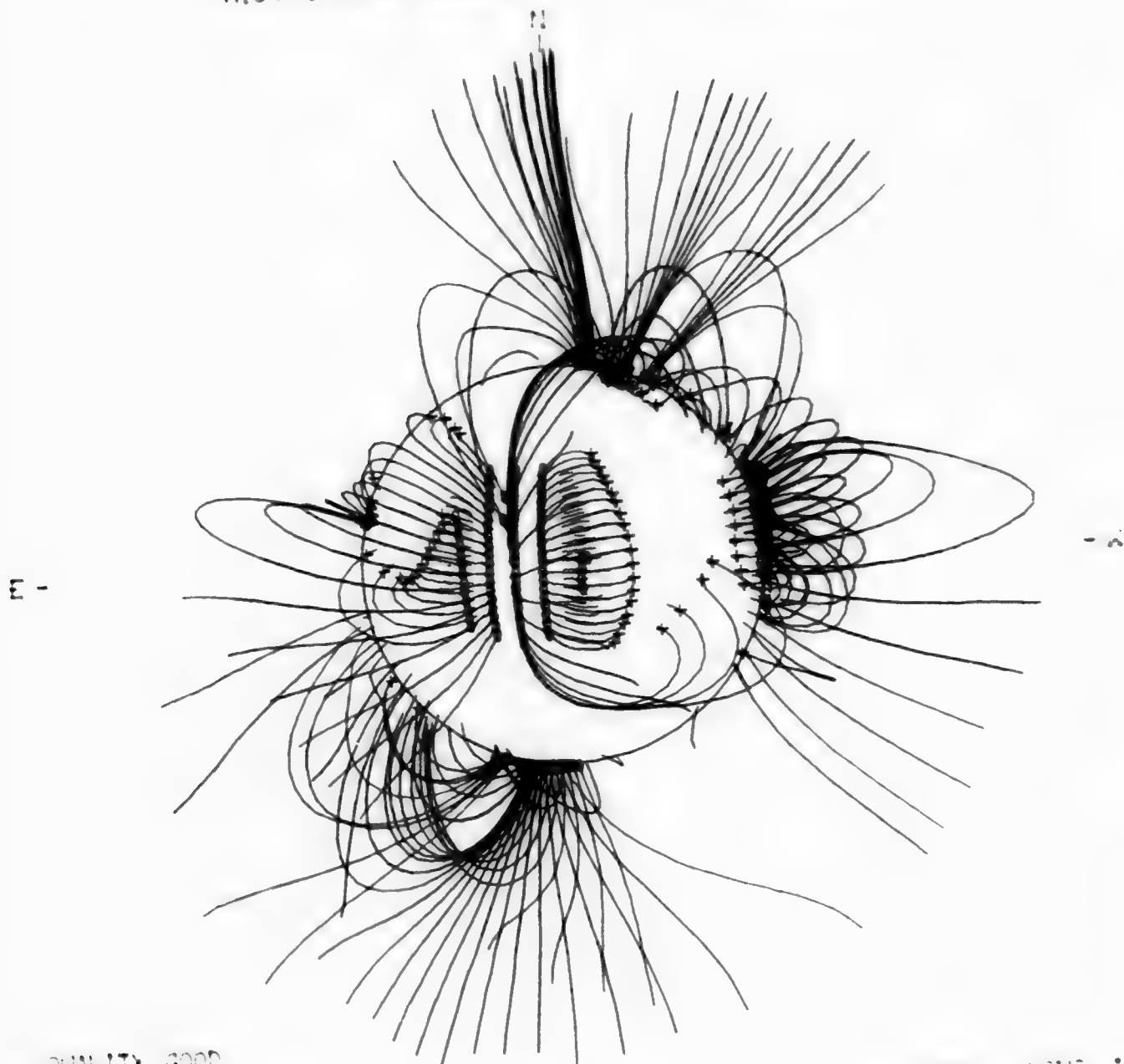


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

1
S

ROT. 1480 LONG. 110°
11.1 MAY 1964

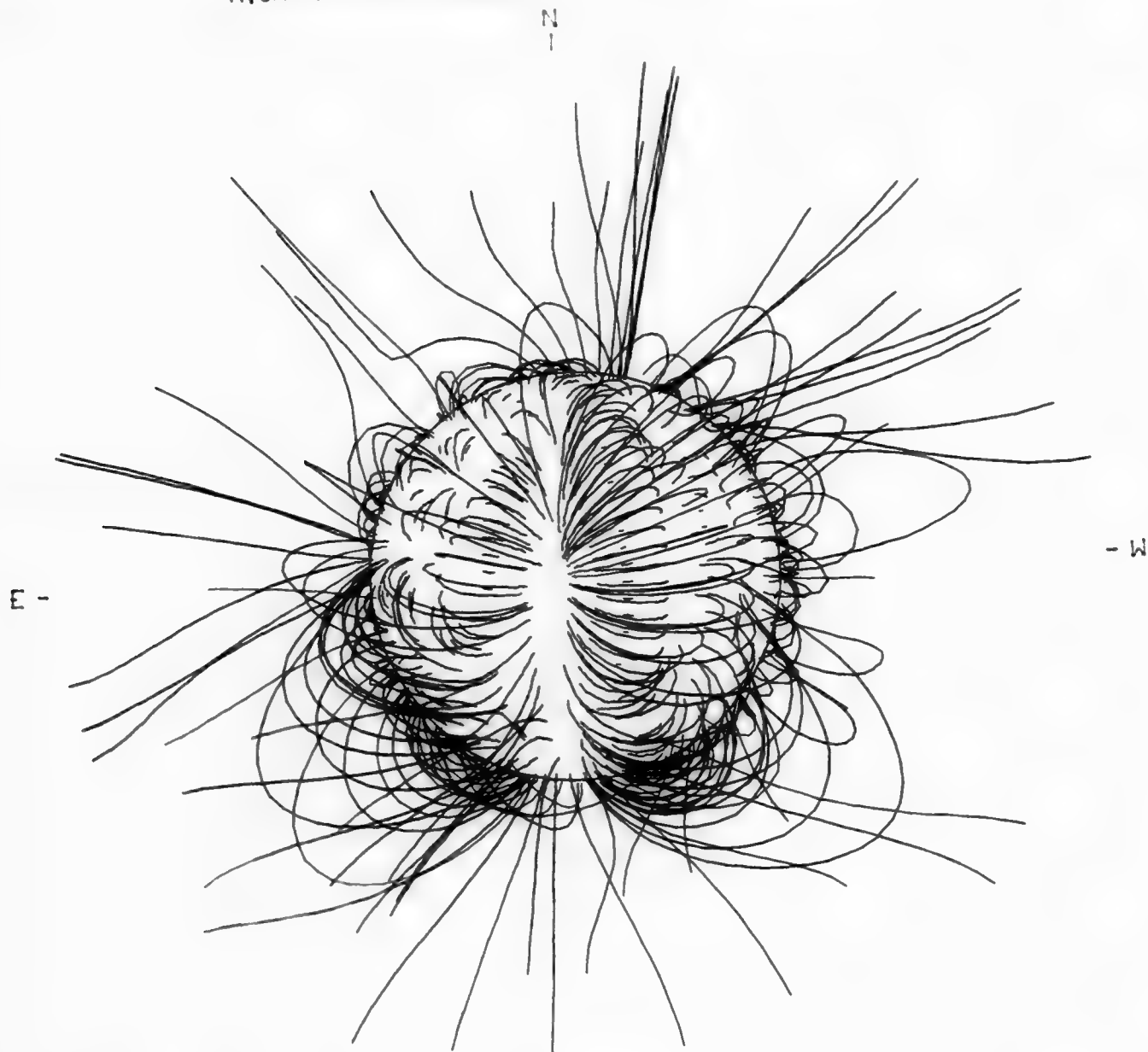
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

RUT. 1480 LONG. 111°
11.1 MAY 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

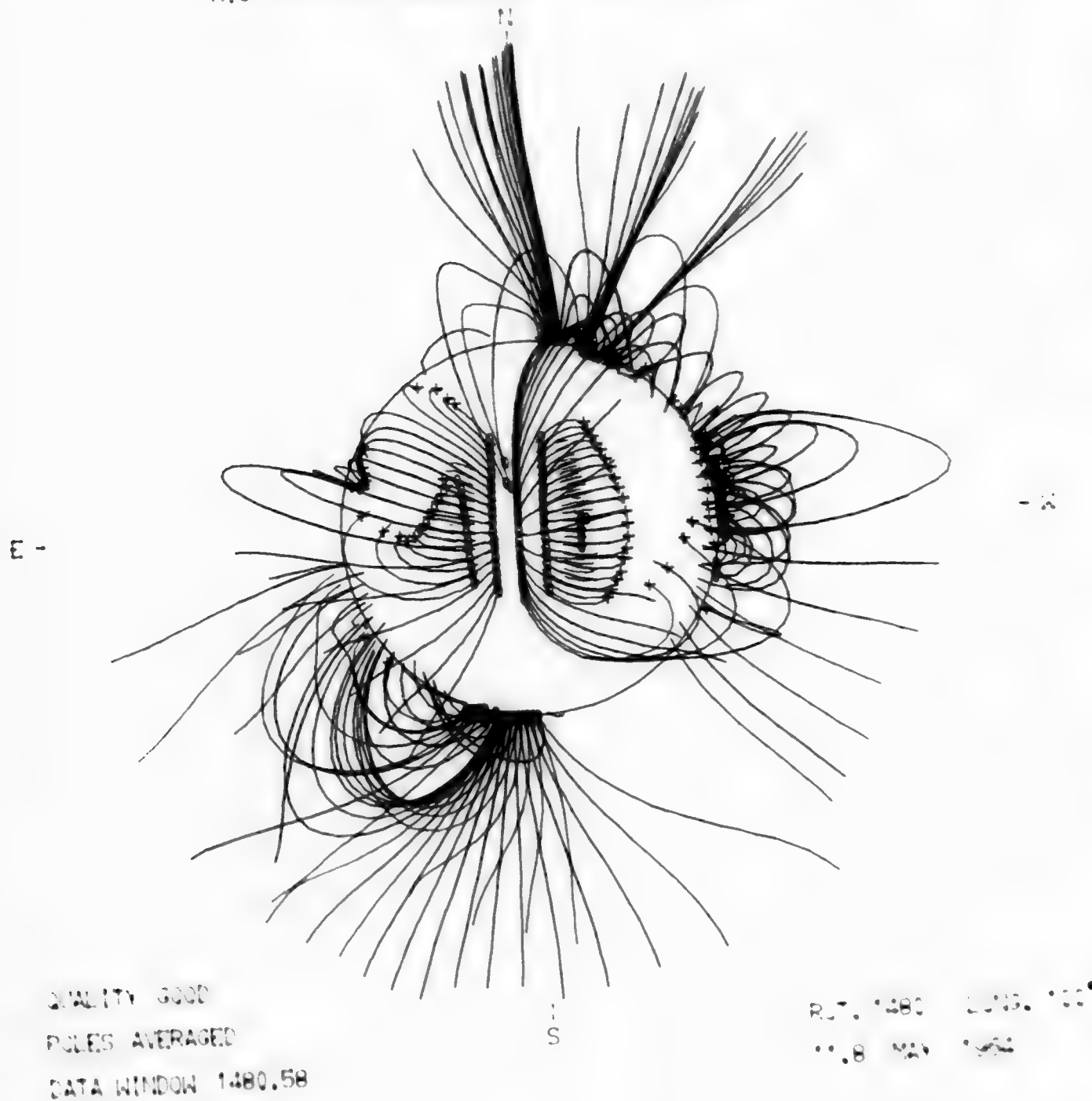


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

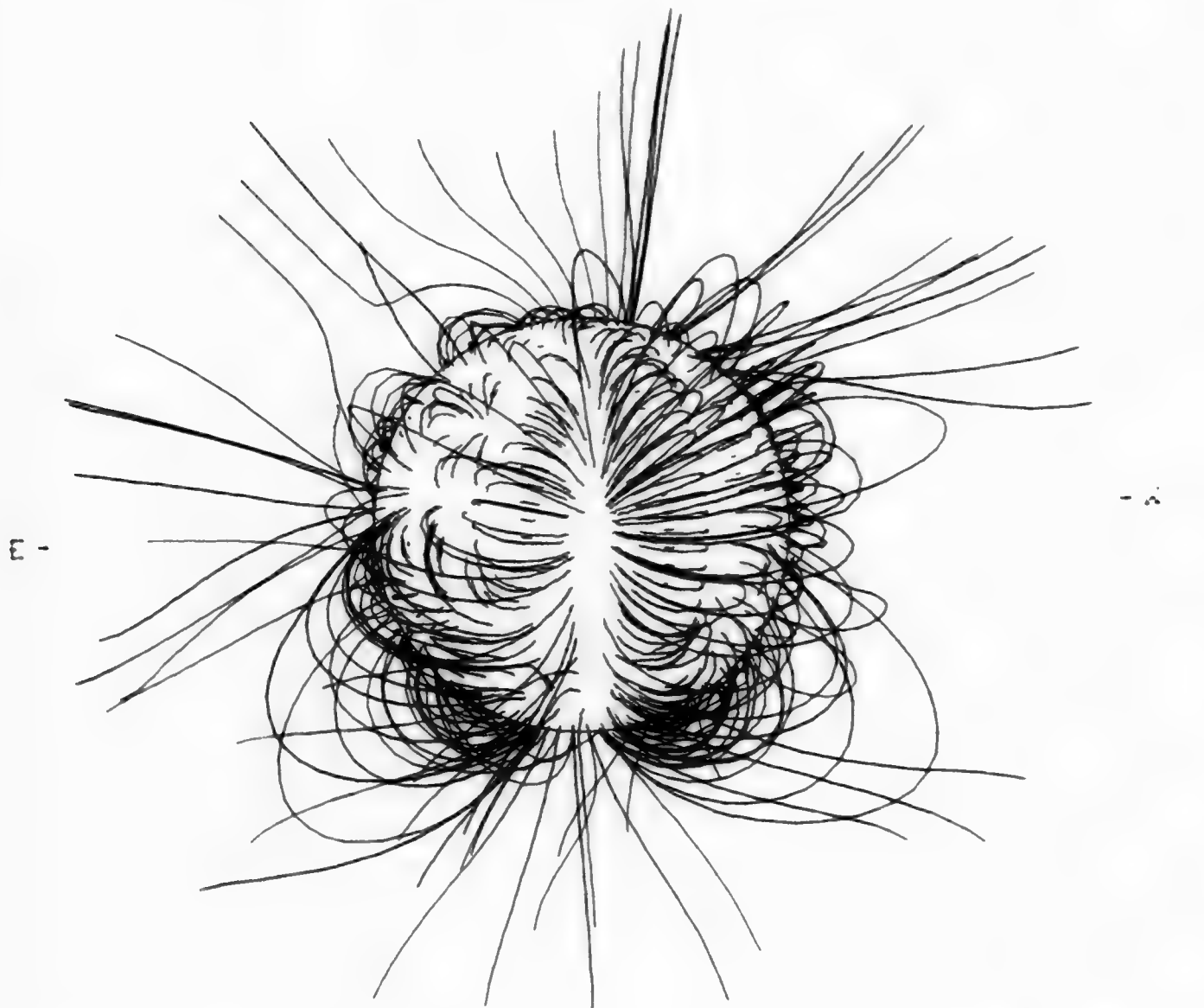
I
S

ROT. 1480 LONG. 100°
11.8 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

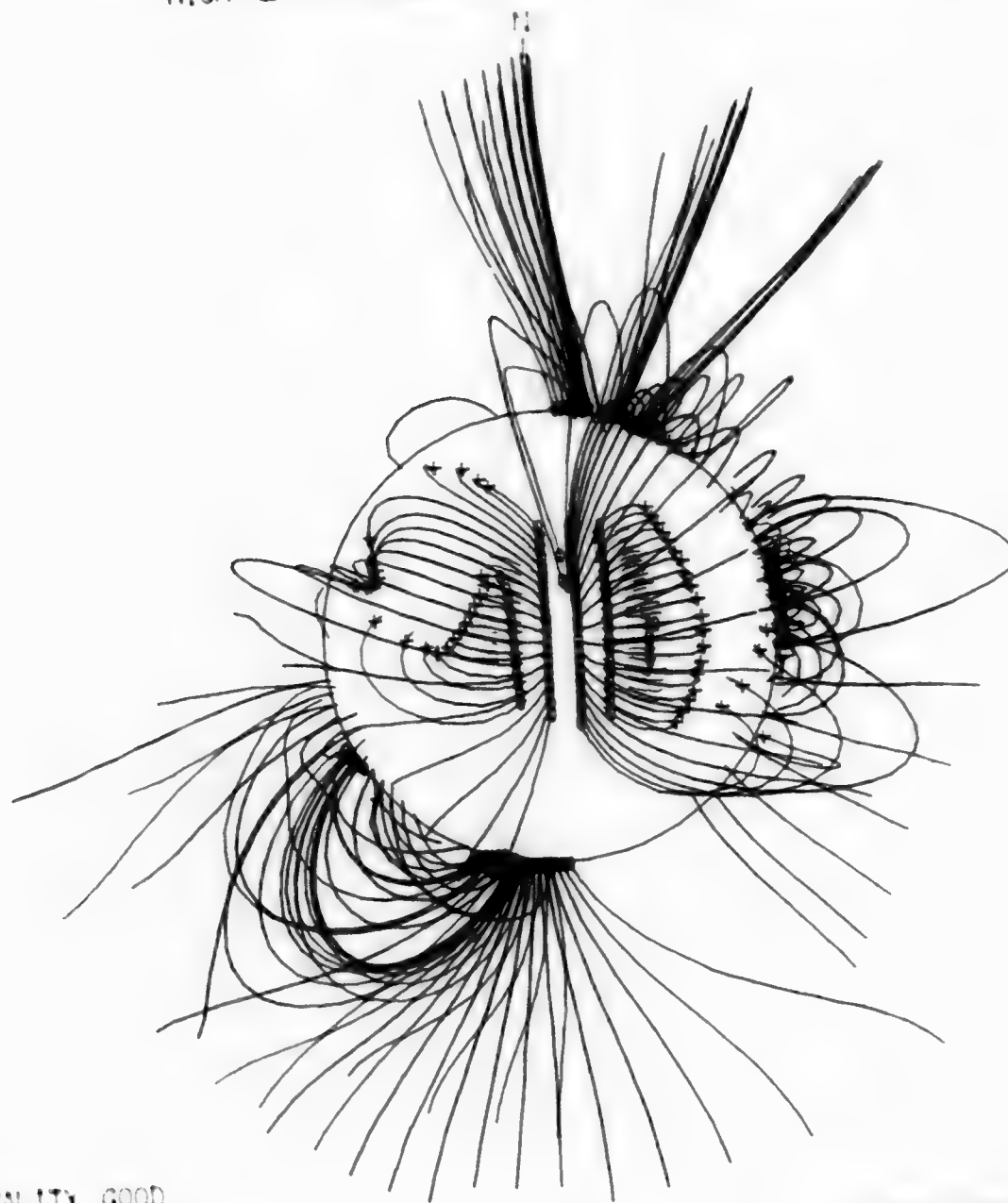


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1480 LONG. 40°
12.6 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

S

ROT. 1480 1015. 90°
2.5 MA 1000

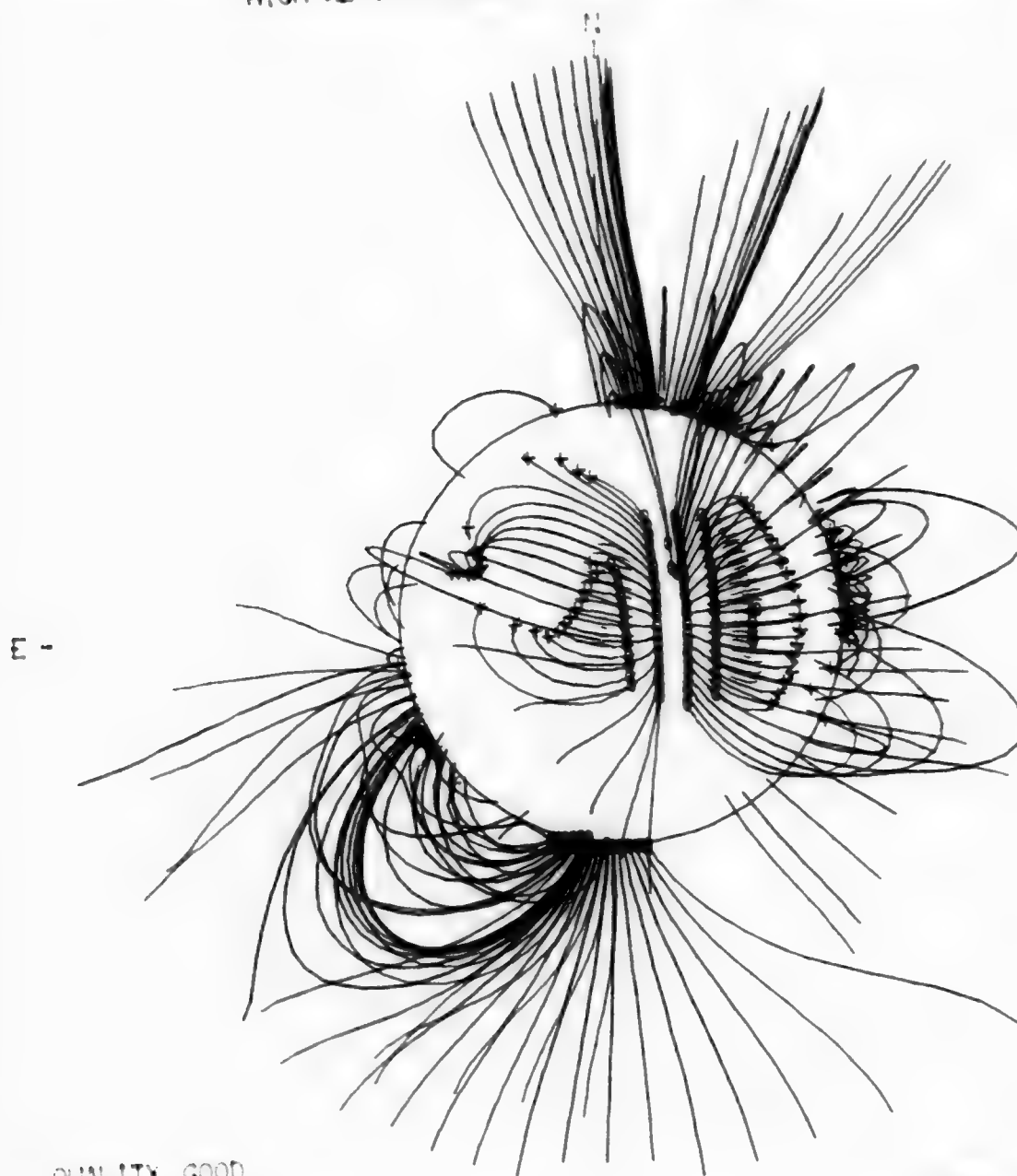
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1480 LONG. 80°
13.3 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

S

ROT. 1480 LONG. 80°
13.3 MAG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

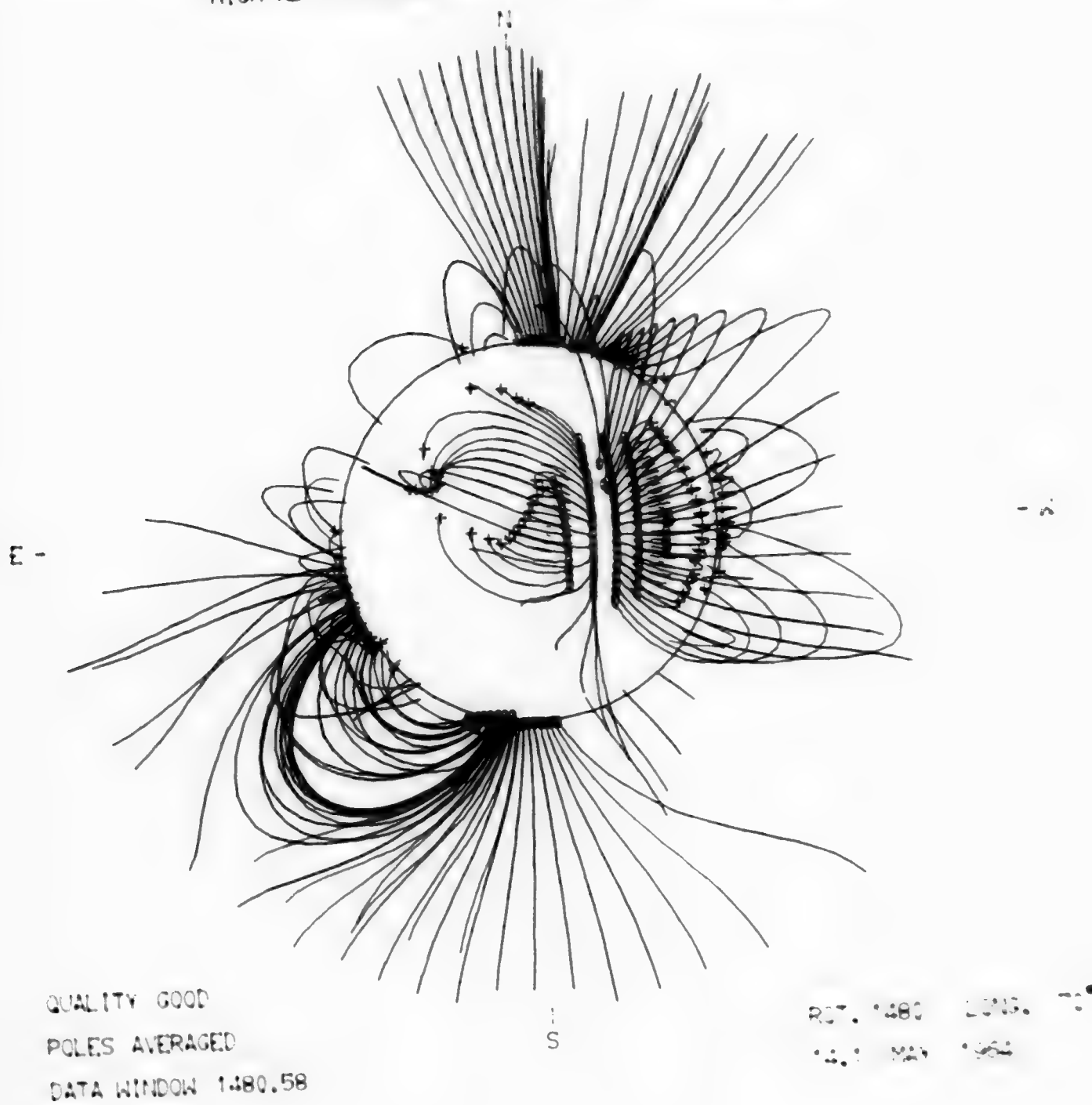


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

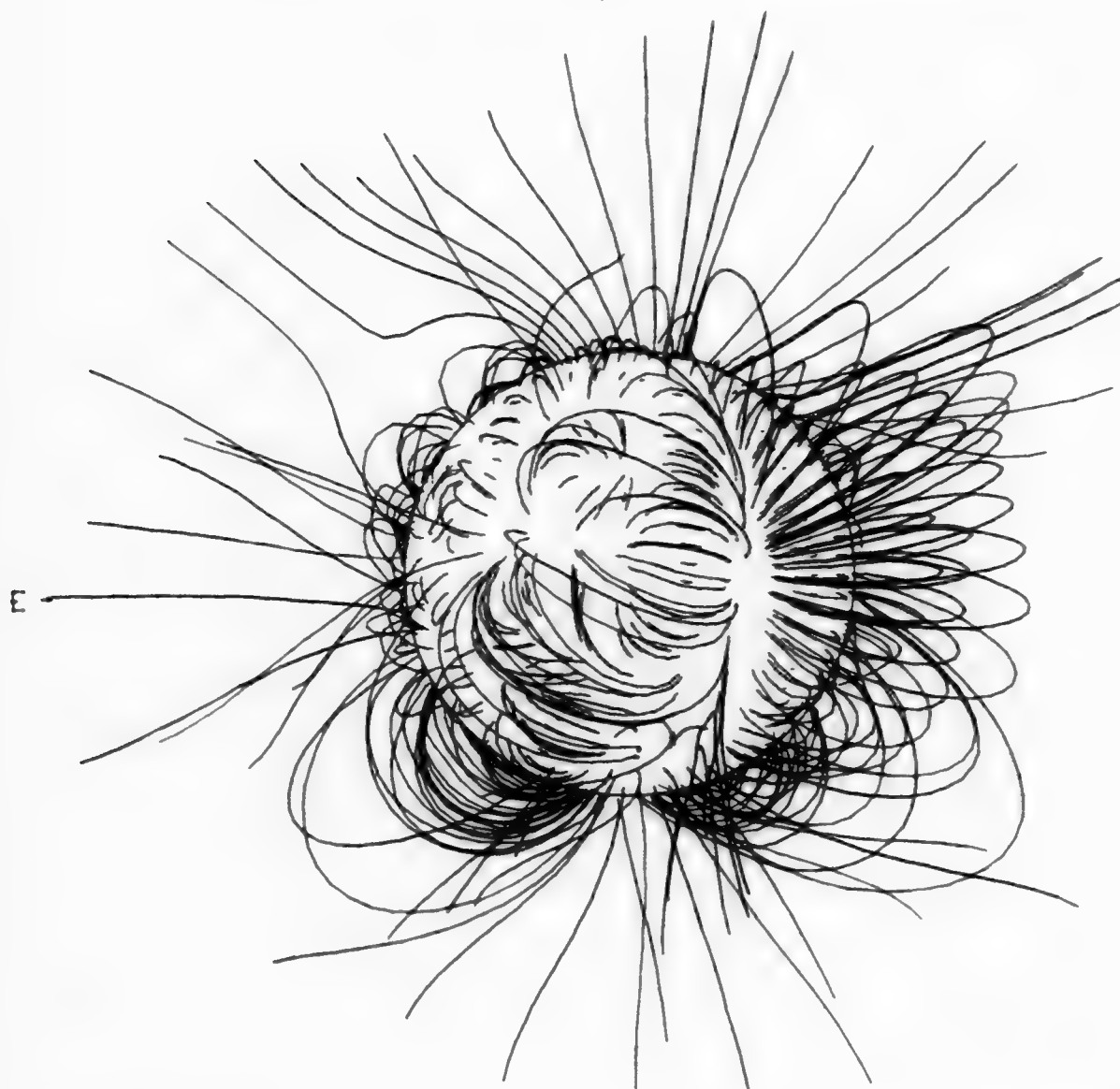
1
S

ROT. 1480 LONG. 70°
12.1 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

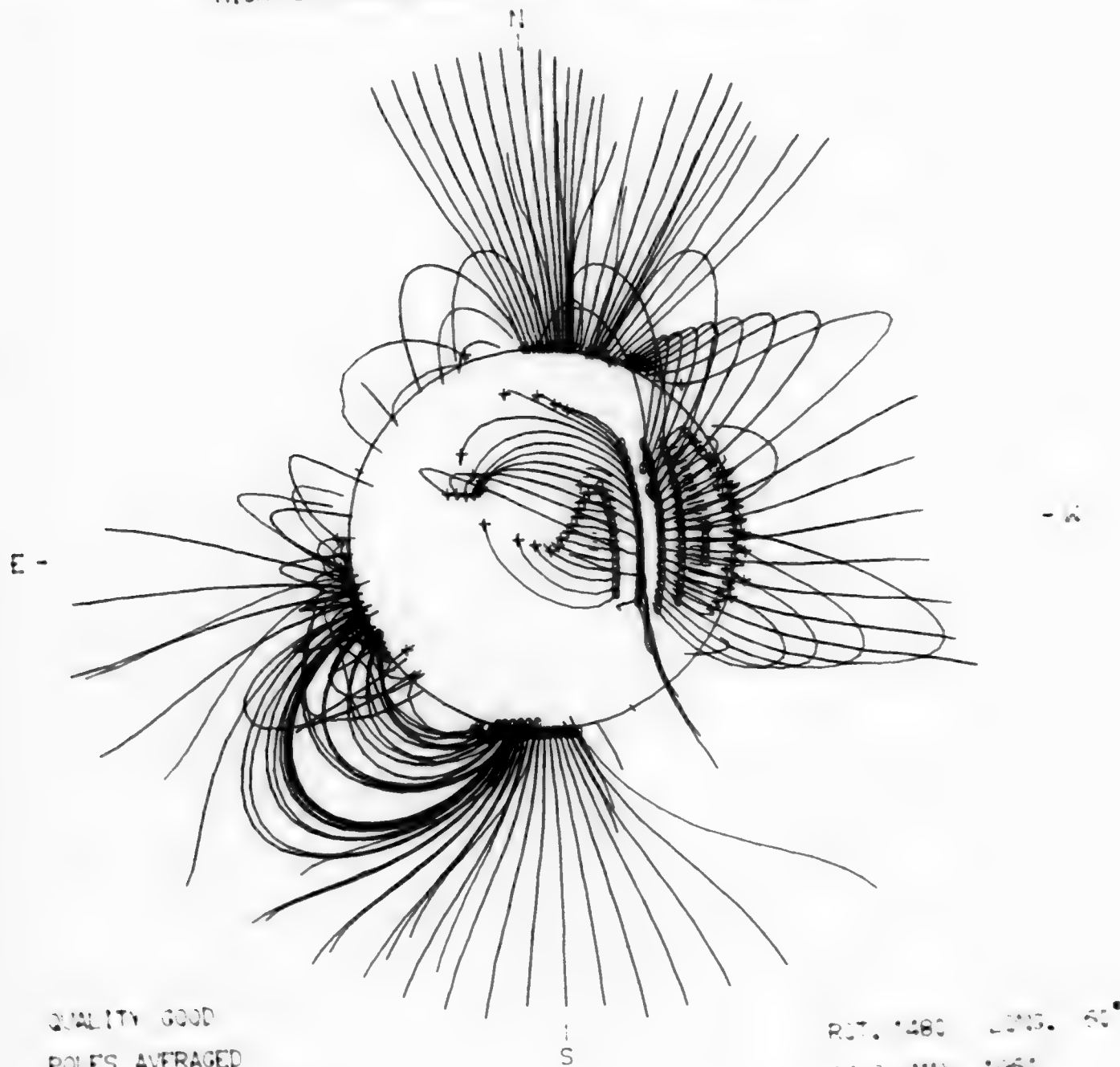


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

S

ROT. 1480 LONG. 50°
14.9 MAY 1964

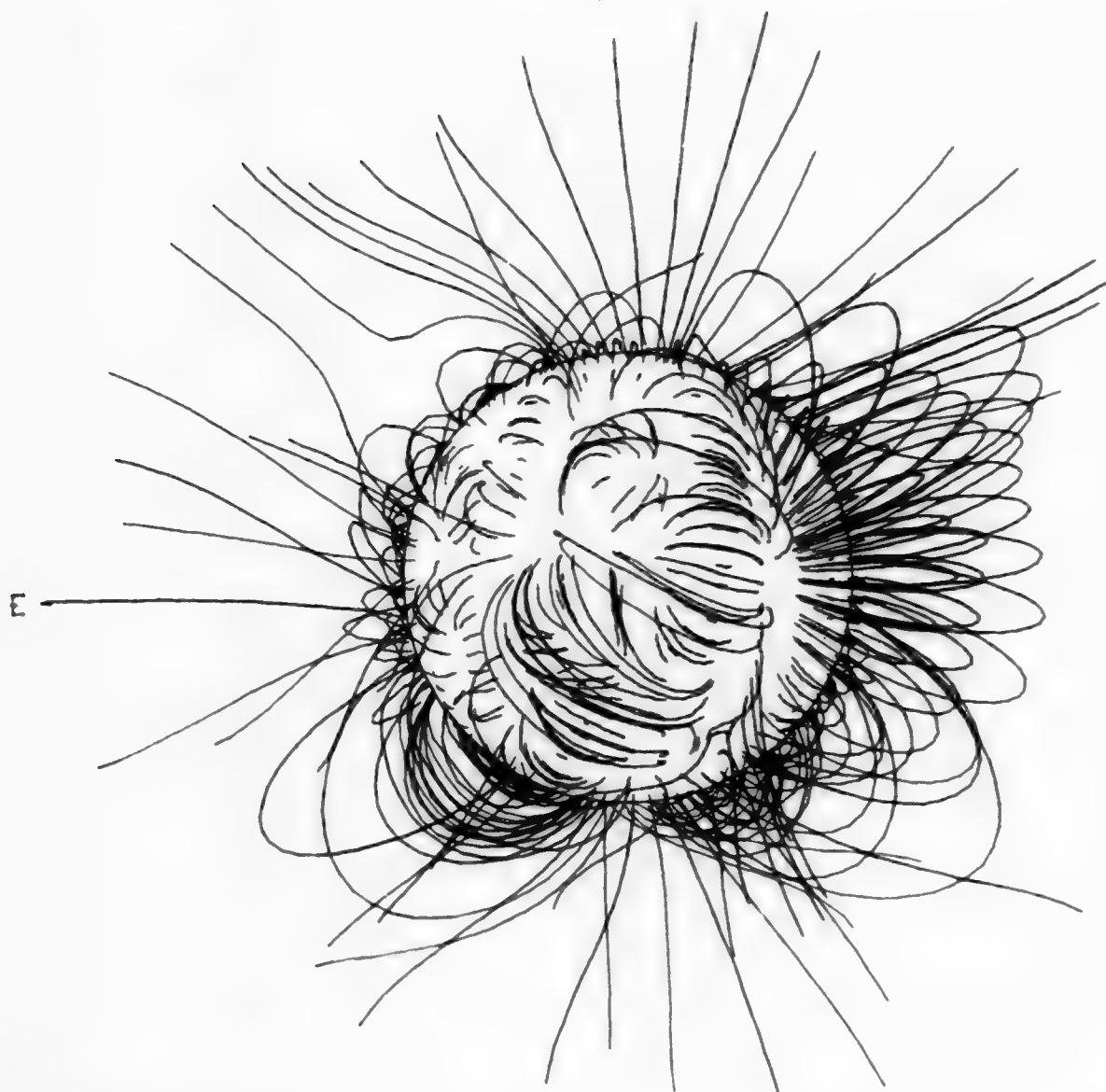
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1480.58

ROT. 1480 LONG. 61°
 14.9 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

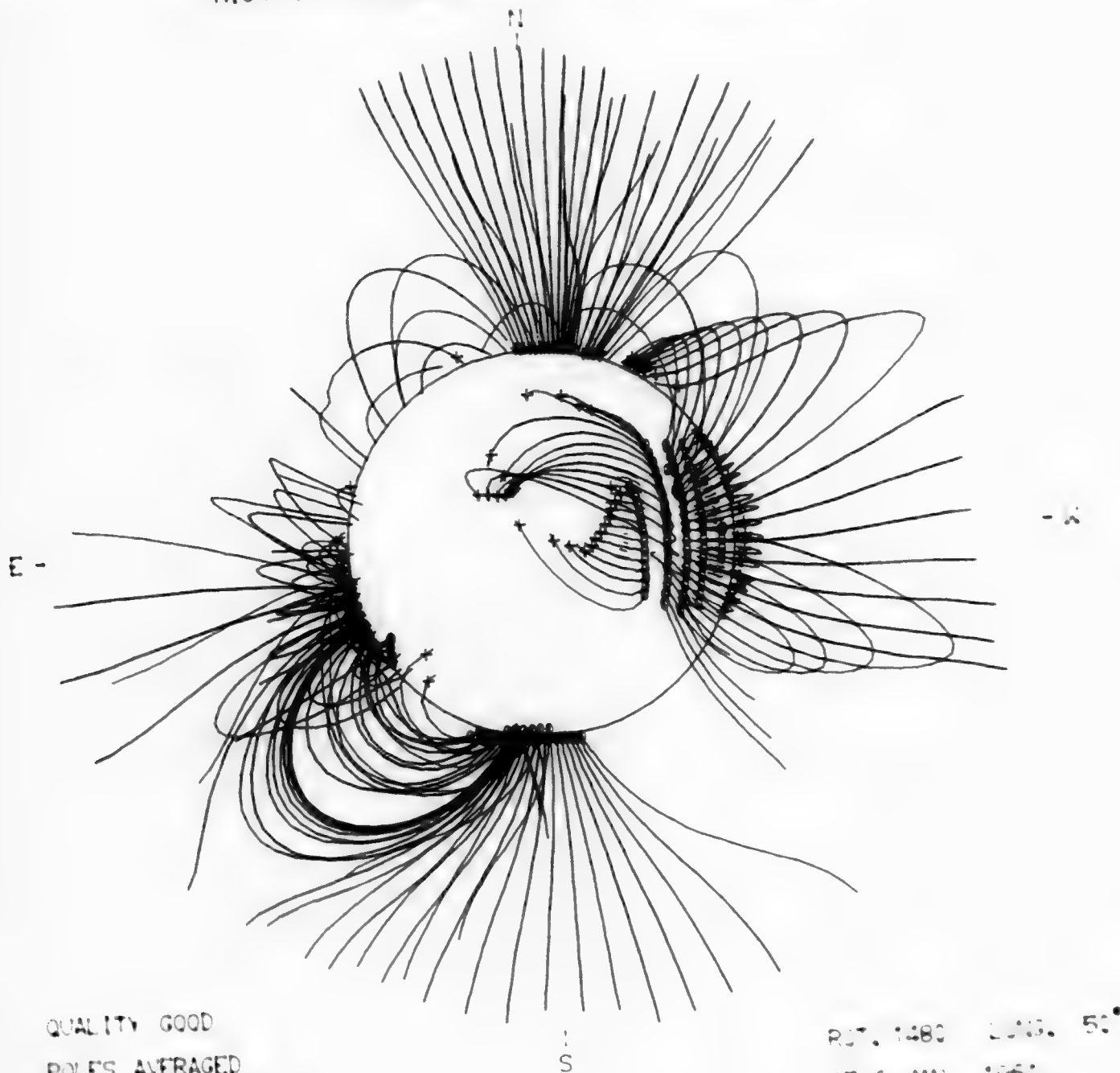


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

1
S

RET. 1480 LONG. 50°
15.6 MAY 1982

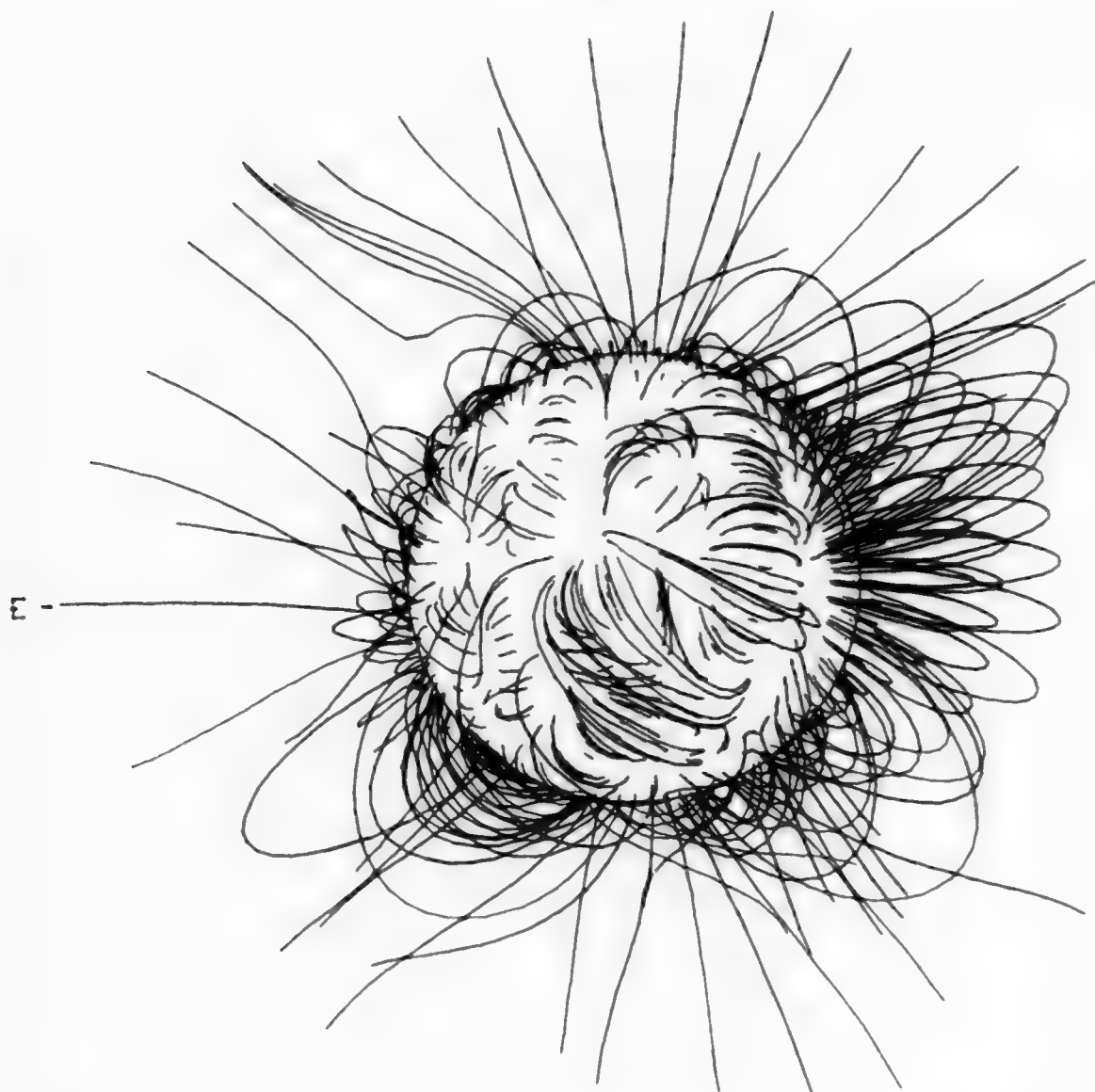
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1480 LONG. 50°
15.6 MAY 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

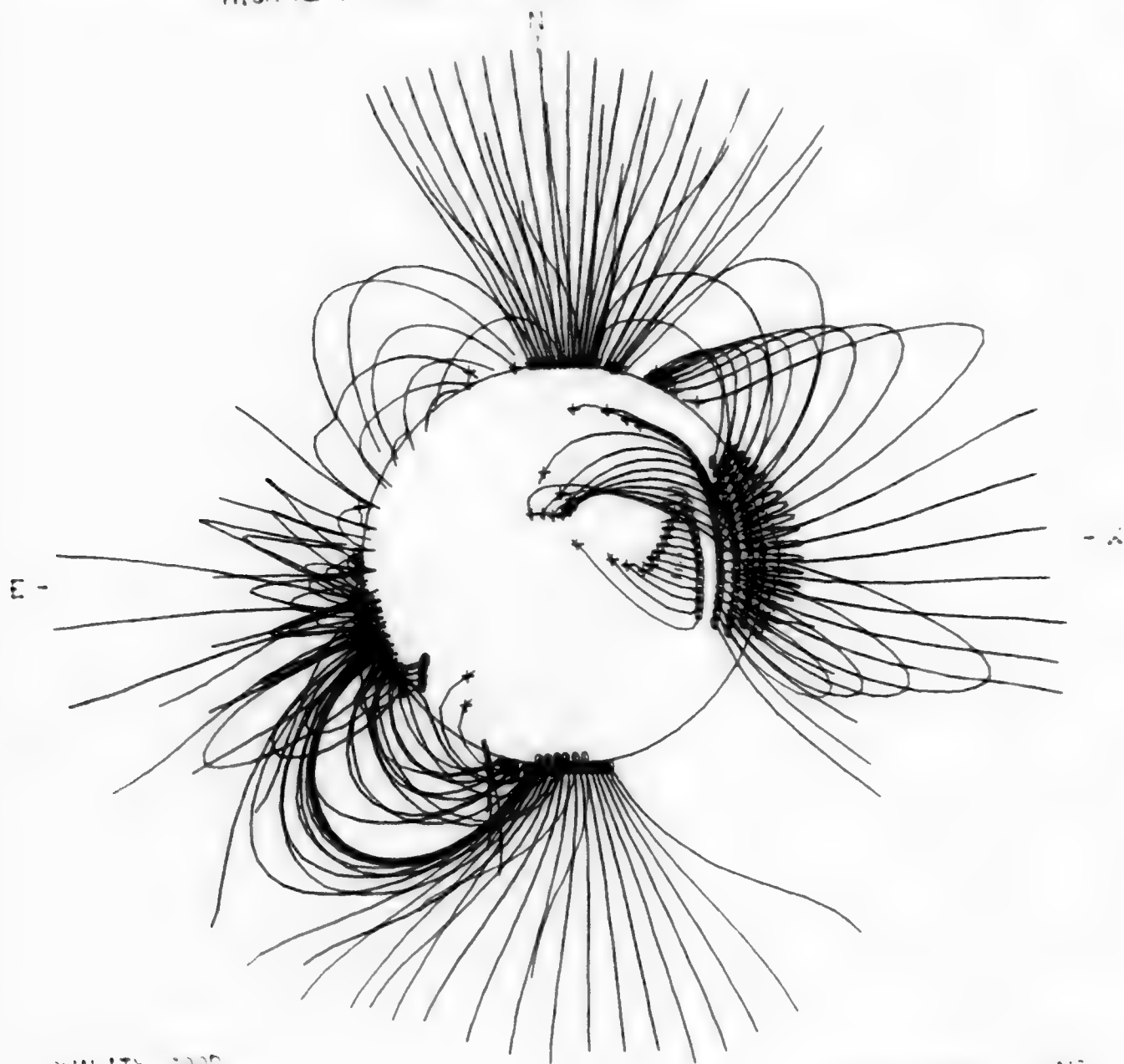


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

I
S

ROT. 1480 1480. 40°
15.4 MAY 1964

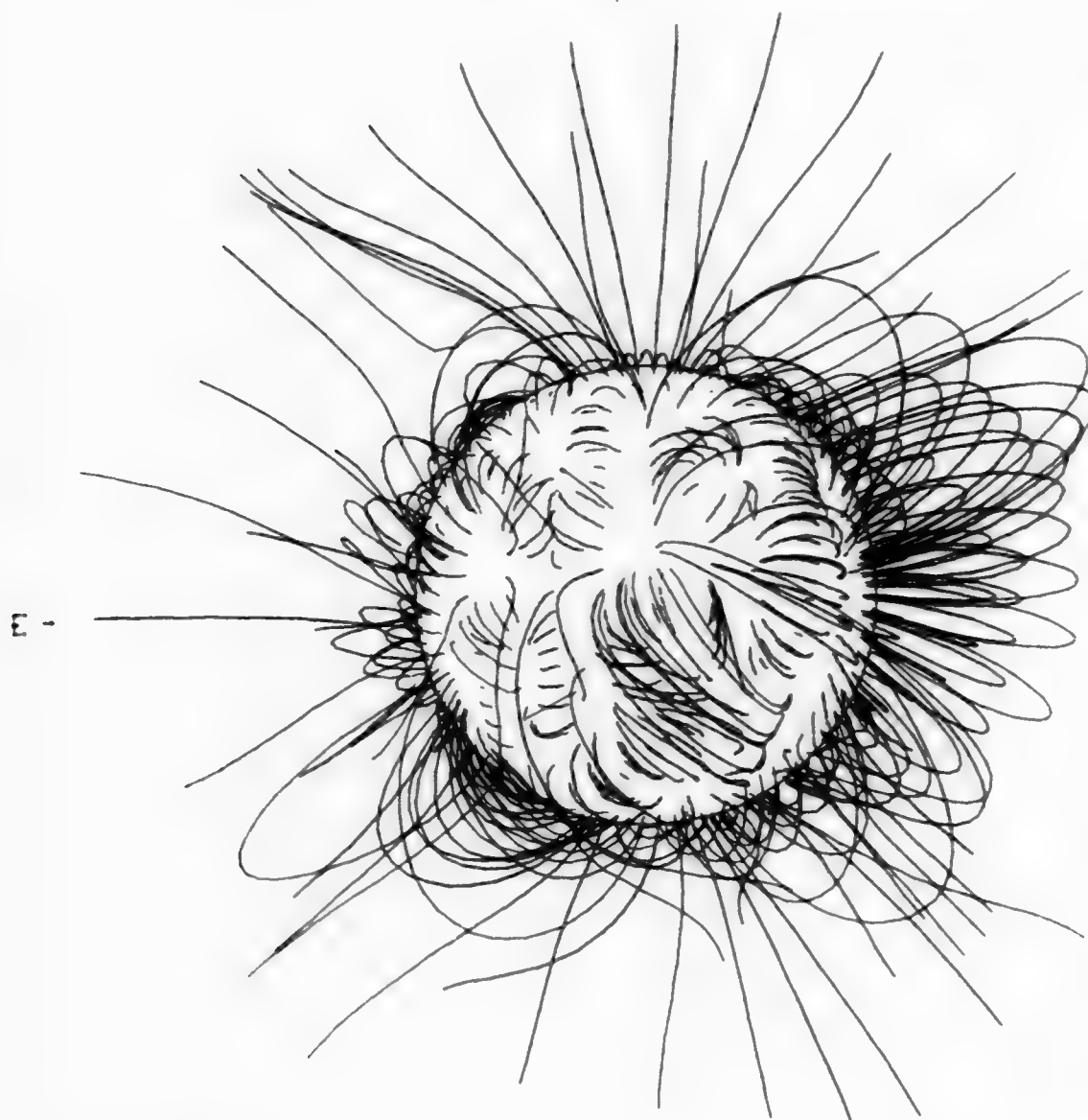
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

RUT. 1480 2000. 40°
16.4 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

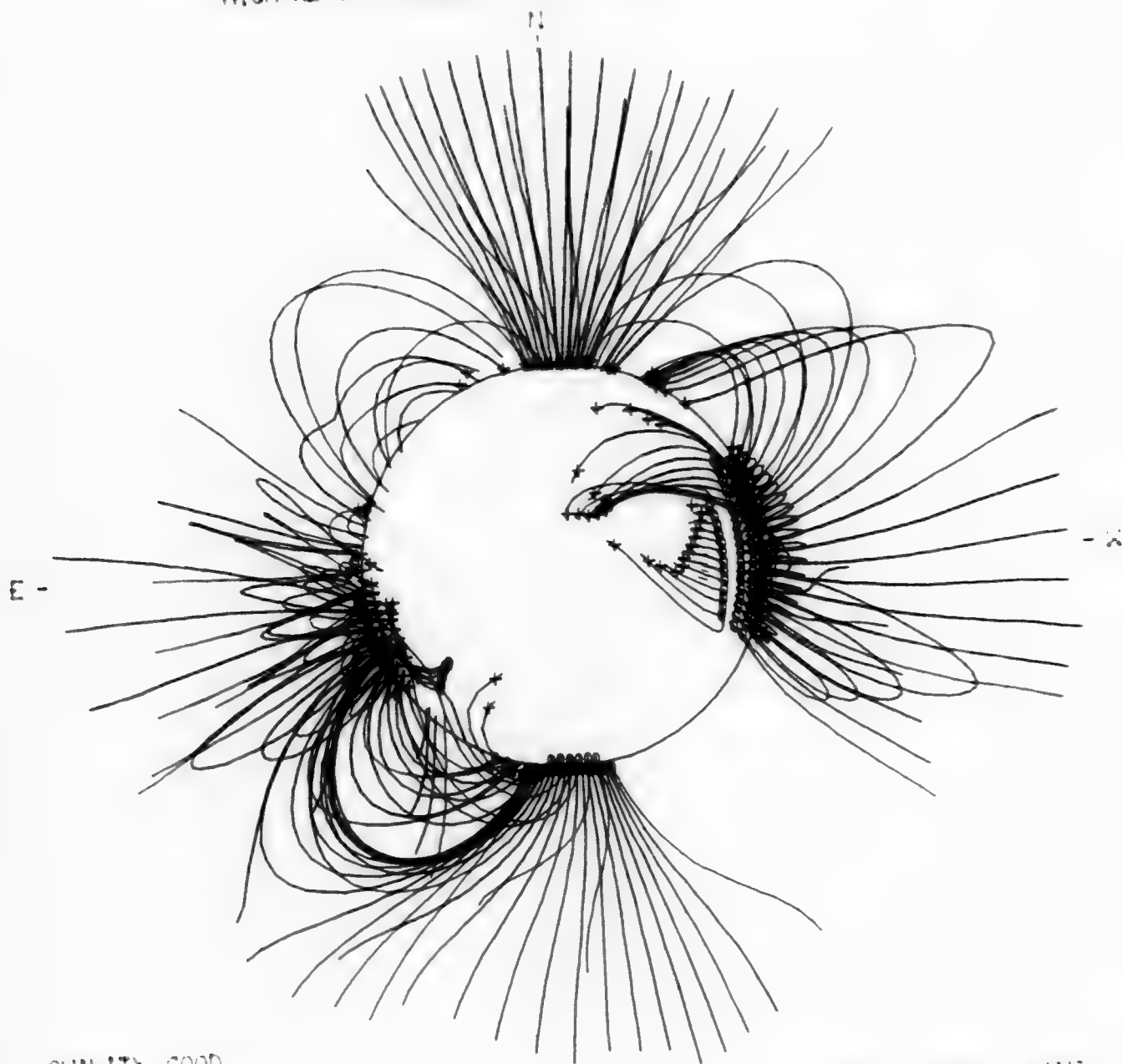
POLES AVERAGED

DATA WINDOW 1480.58

1
S

R.T. 1480 LONG. 50°
17. 1480 1480

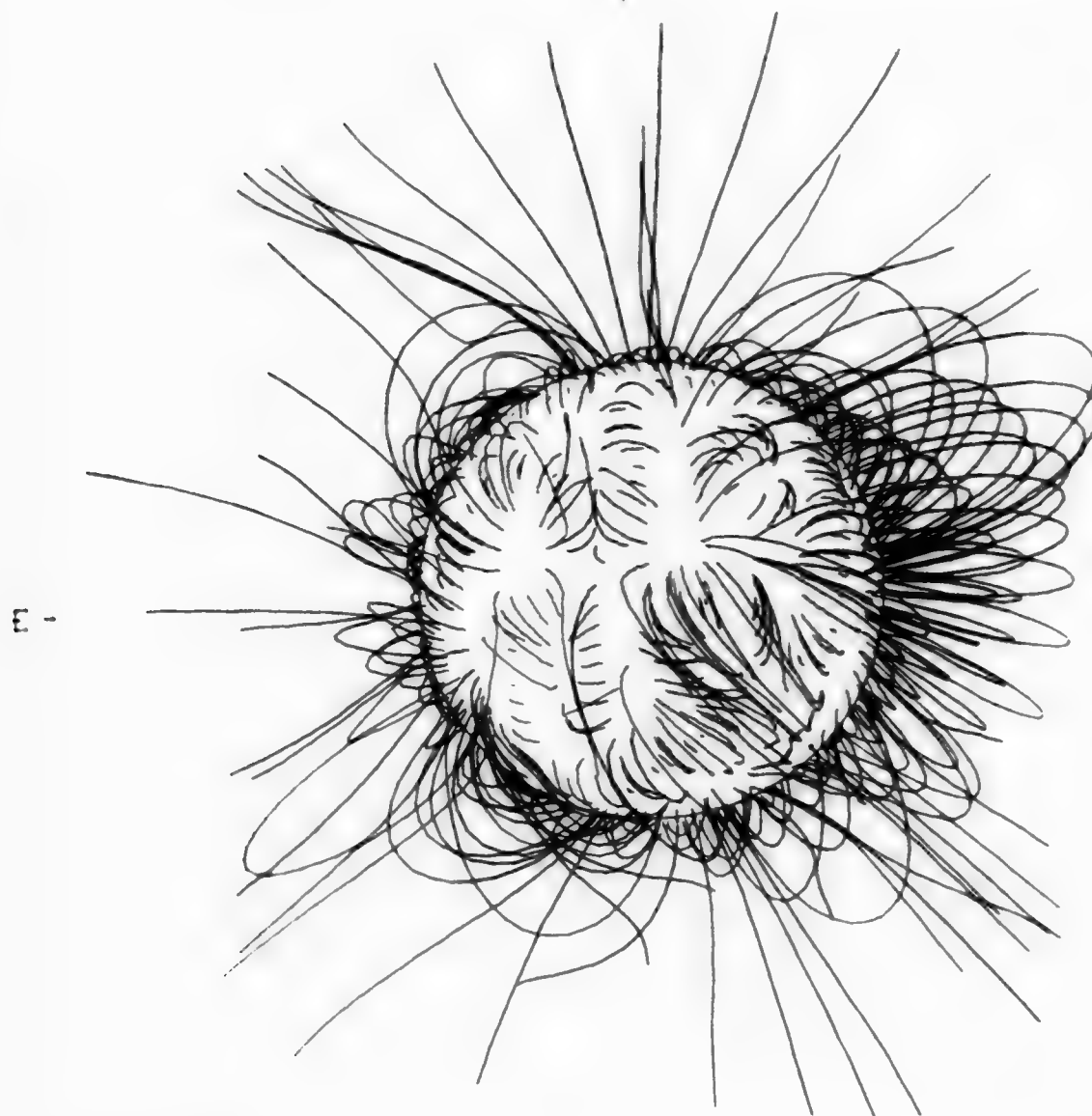
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1480 LONG. 30°
17.1 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

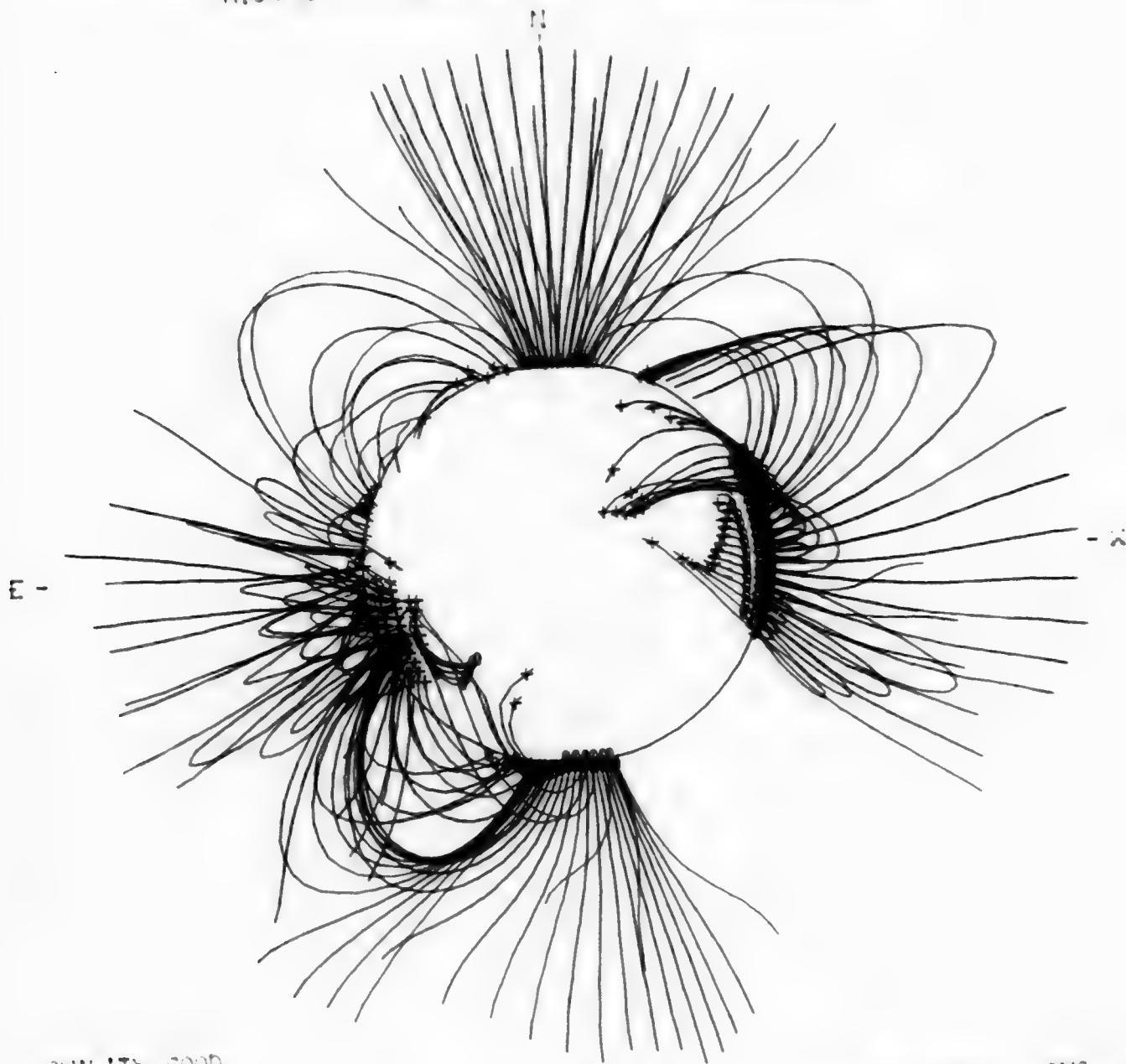


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

:
S

RJT. 1480 2010. 20°
17.5 MAY 1962

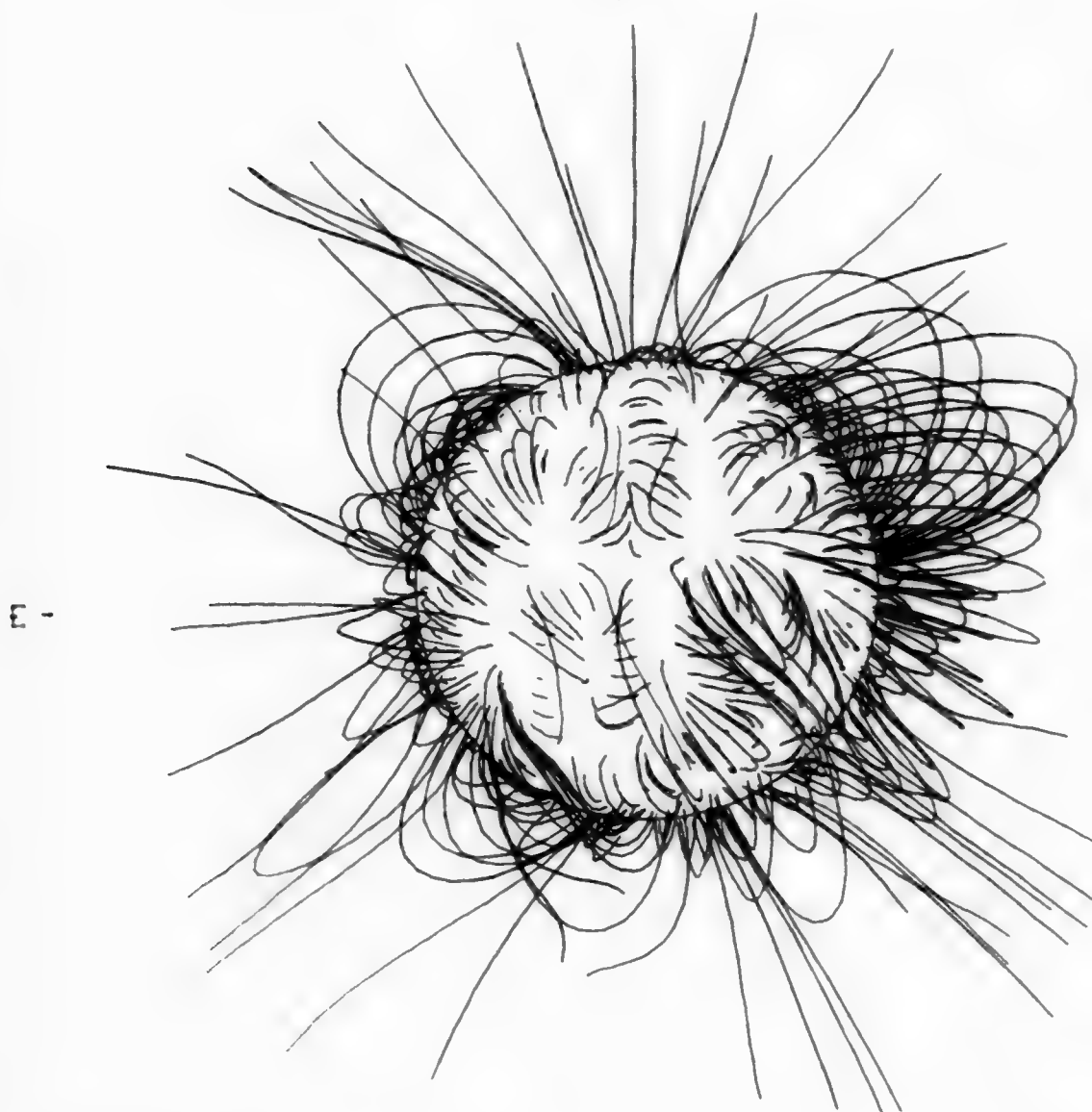
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1480 LONG. 20°
17.4 14.4 14.4

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



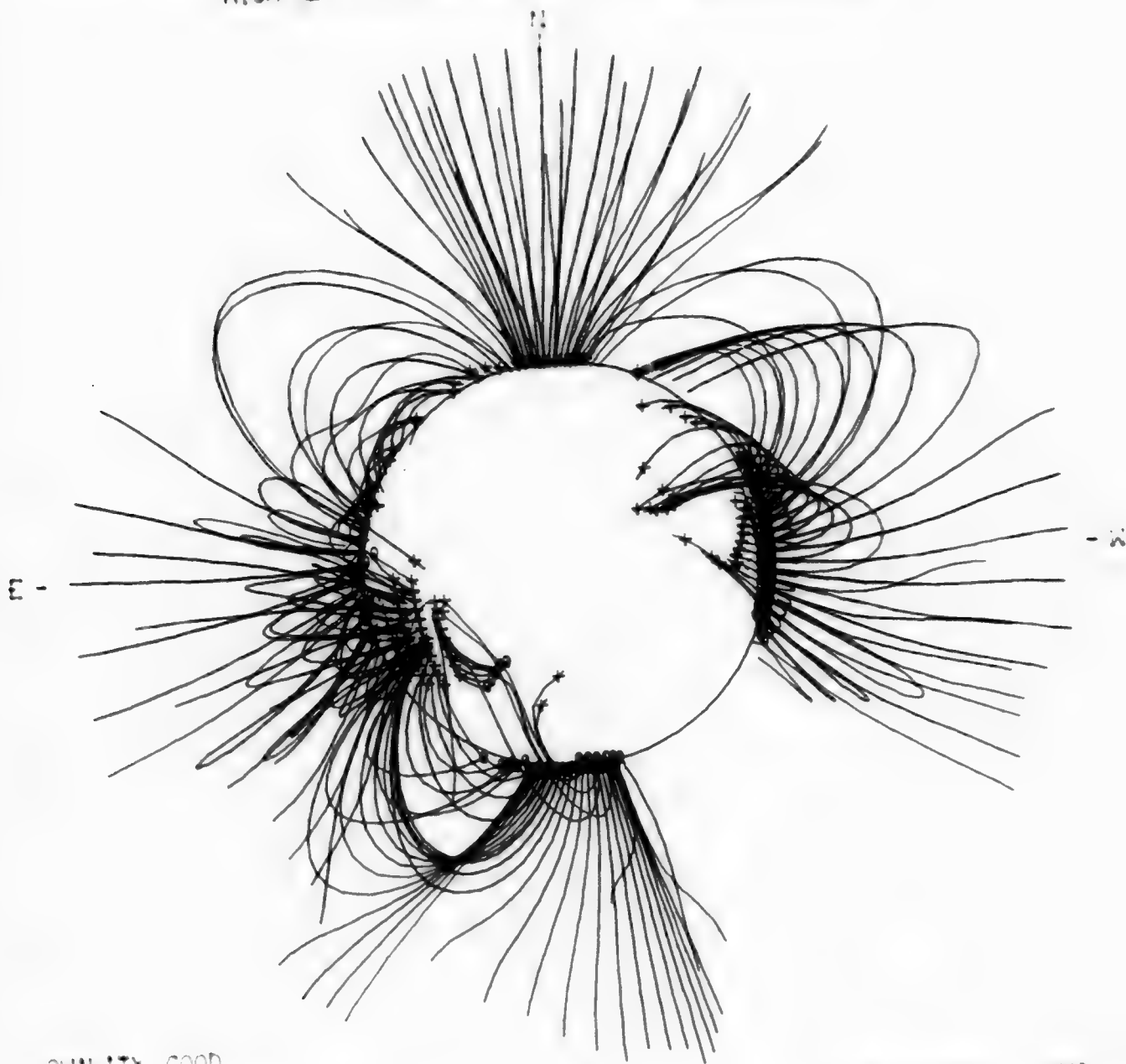
E -

QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

1
S

RJT. 1480 1000. 10°
18.5 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

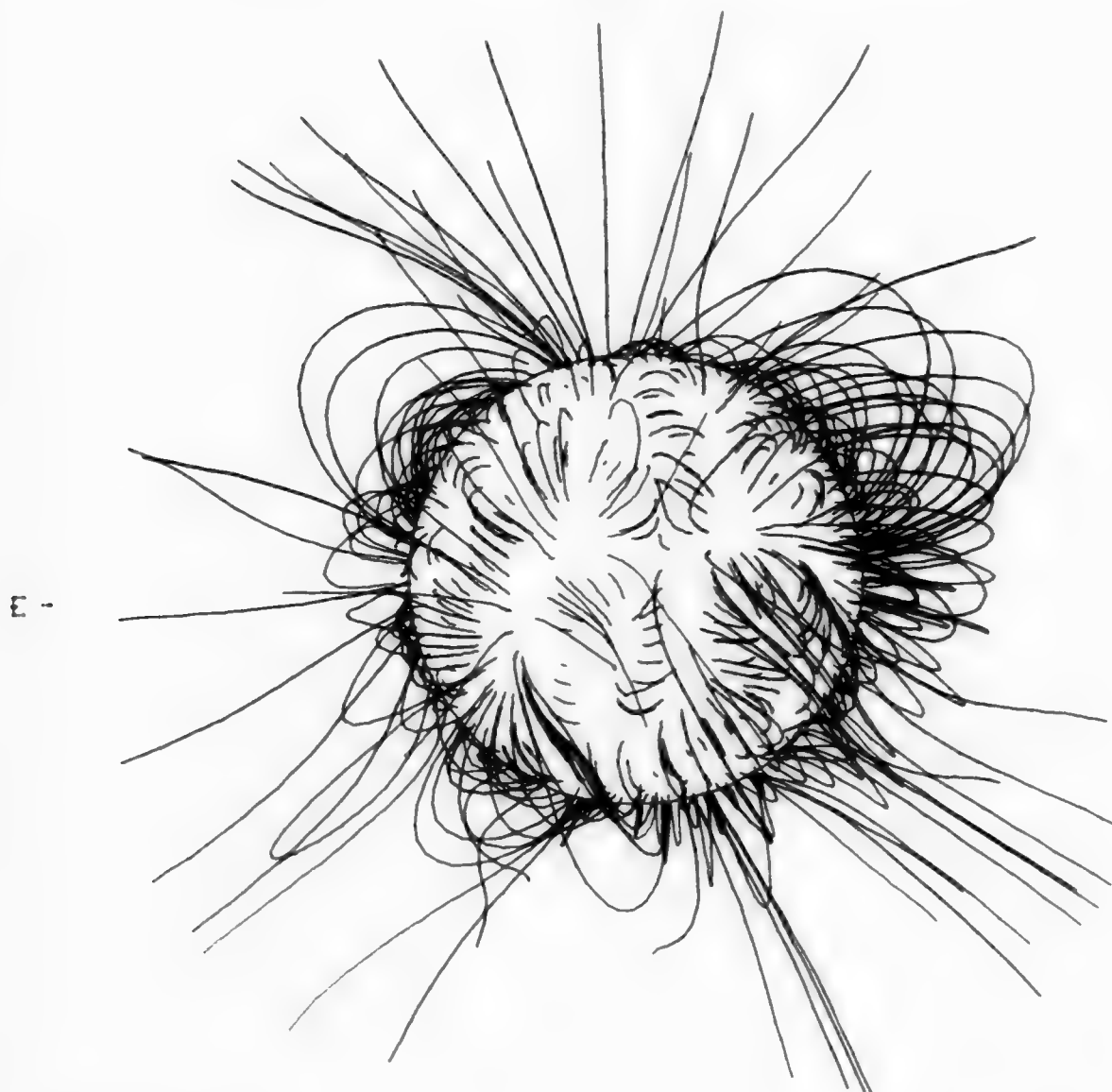


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1480.58

S

ROT. 1480 LONG. 11°
 18.6 MAY 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

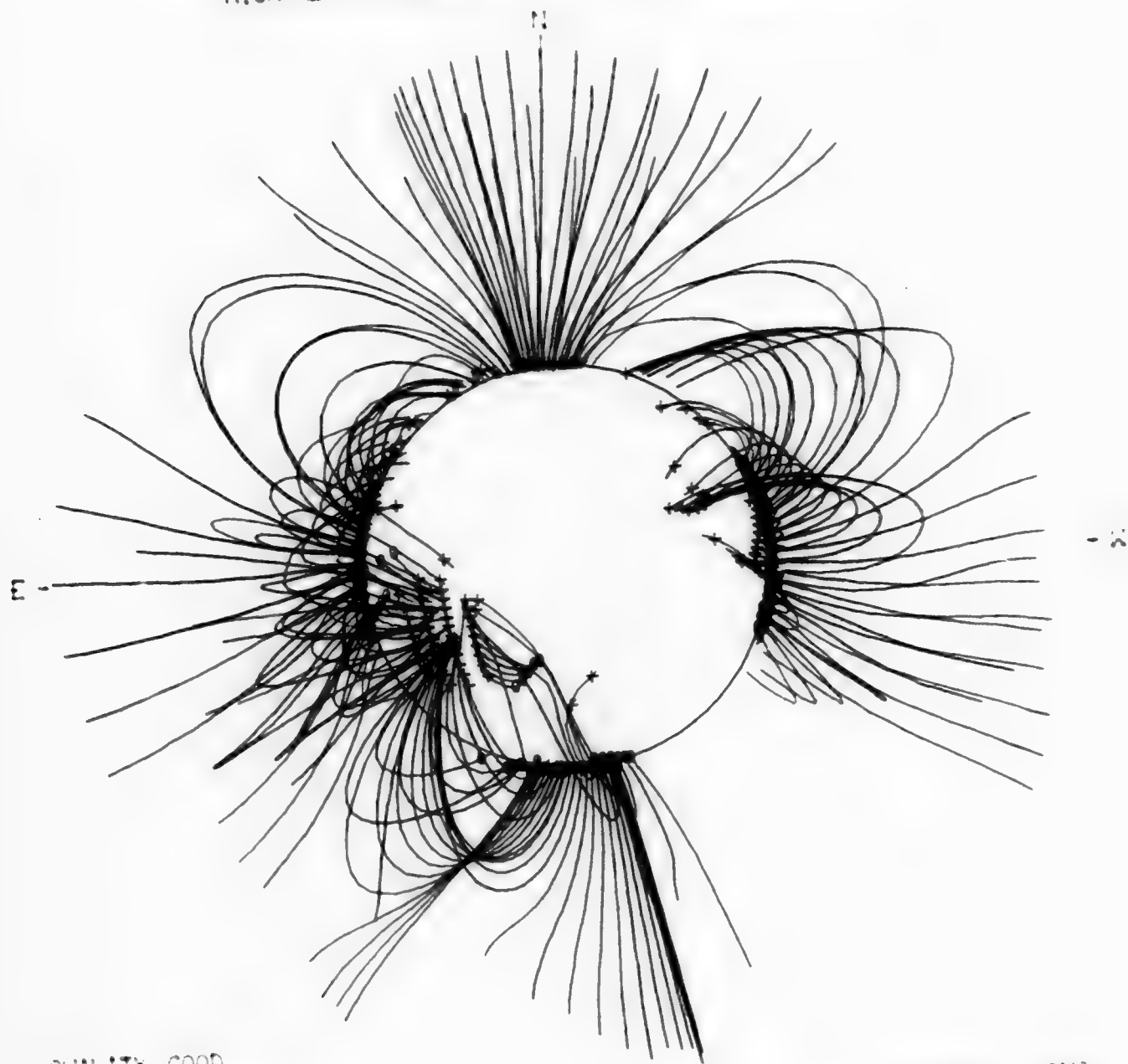


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

S

ROT. 1480 1480.58
19.2 MAY 1962

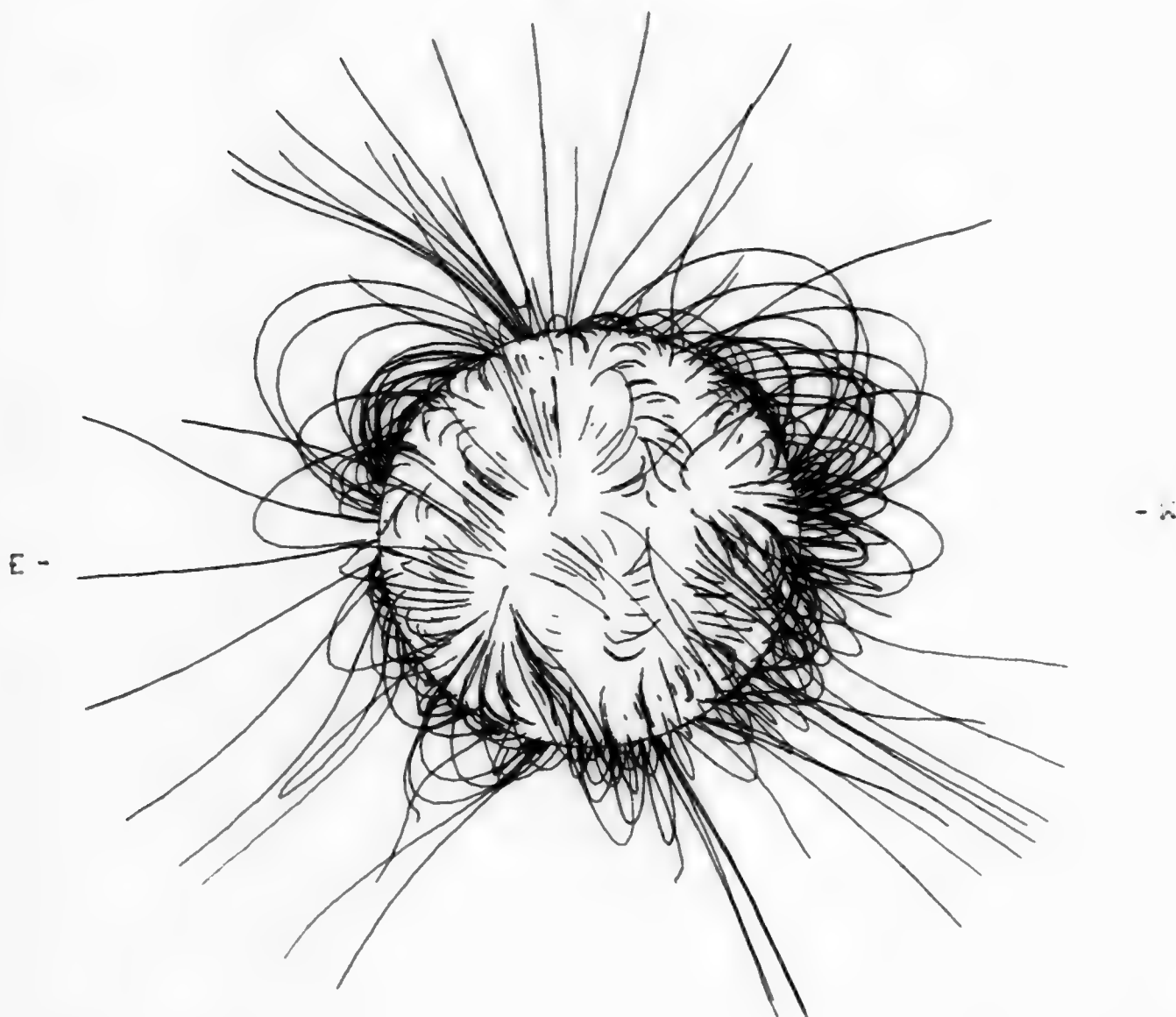
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1480.58

ROT. 1480 LONG. 0°
 19.4 220 1972

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

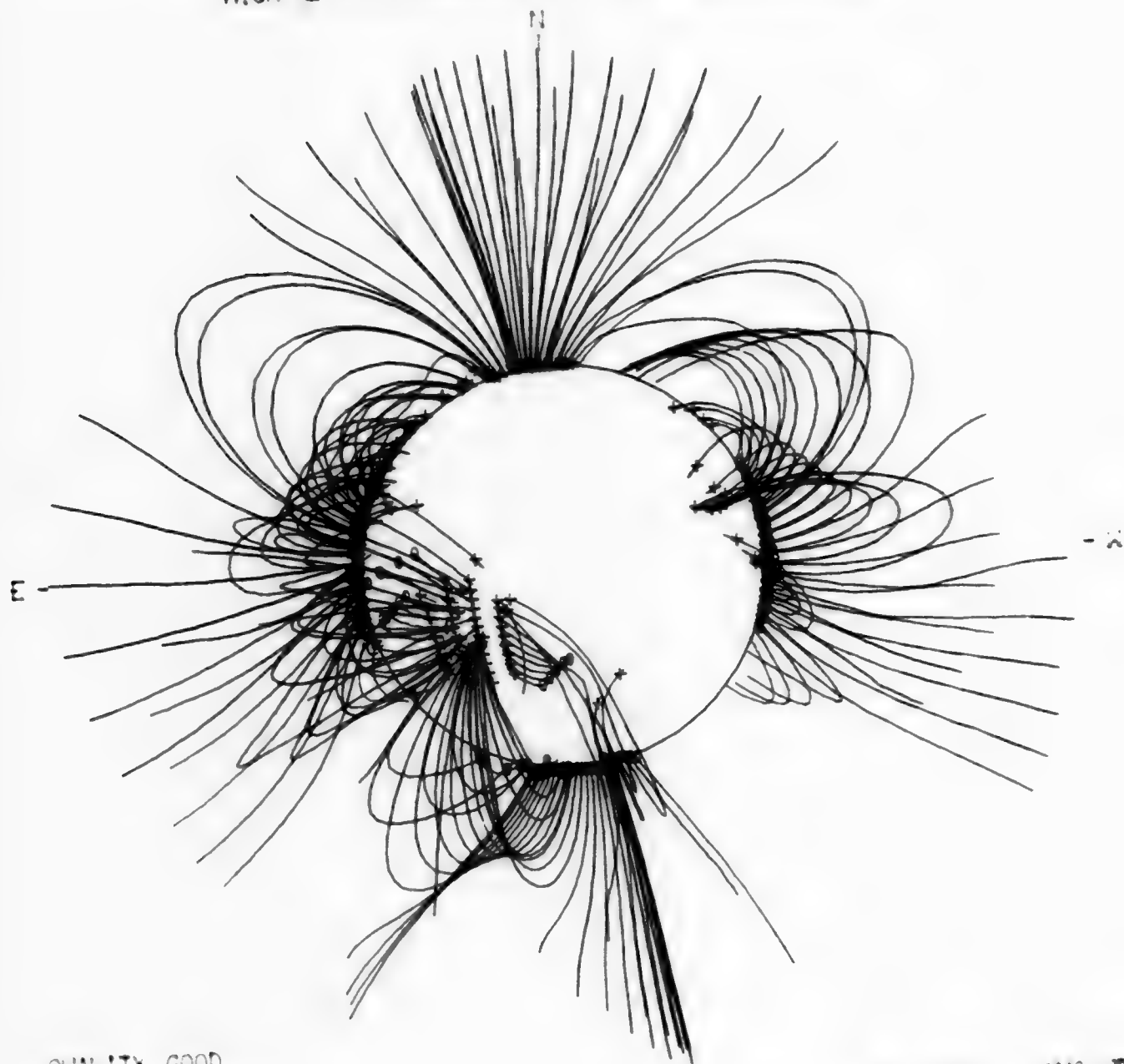


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

S

ROT. 148° LONG. 35°
20.2 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

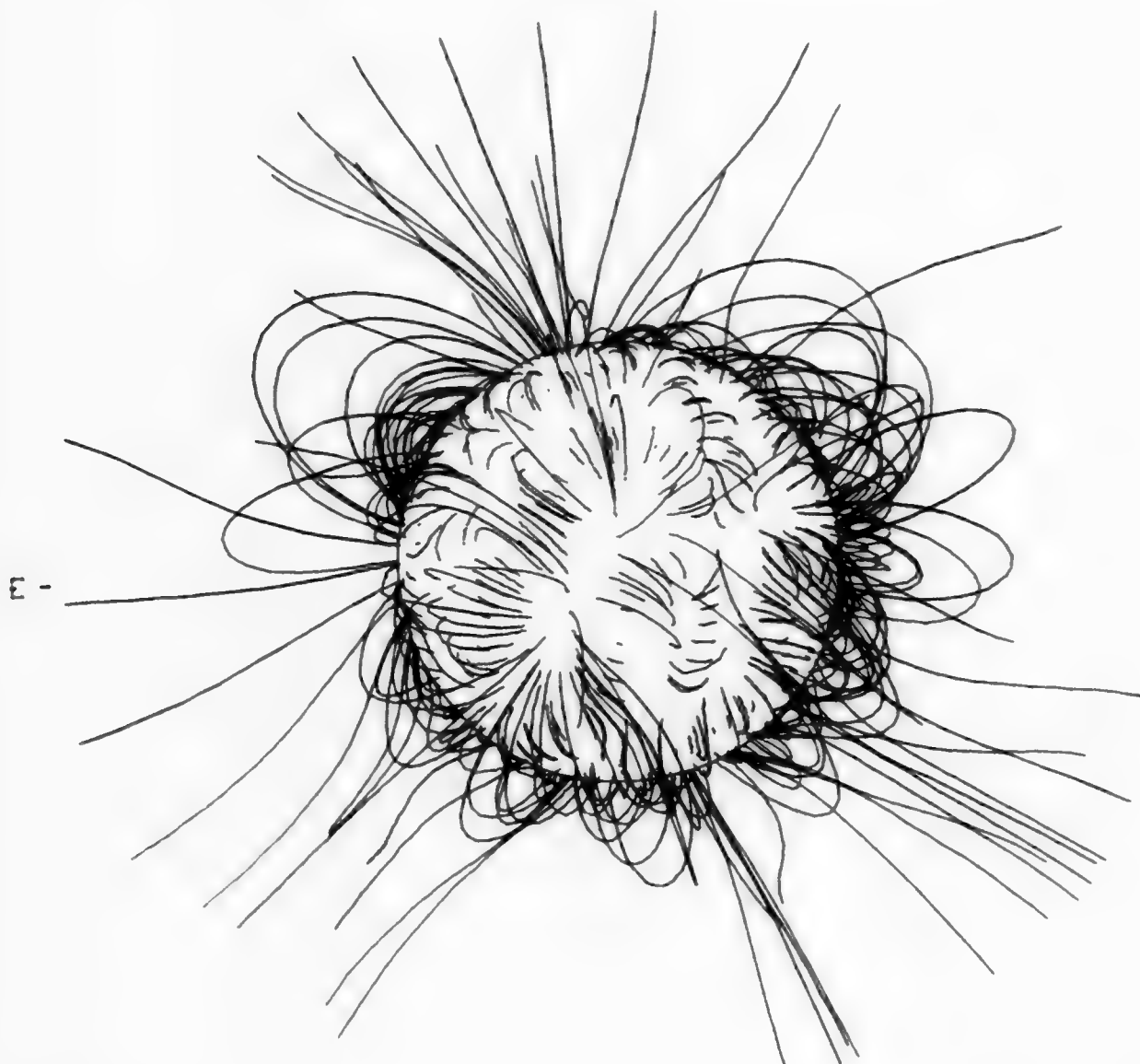


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1480.58

S

ROT. 148° LONG. 55°
 20.2 MAY 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

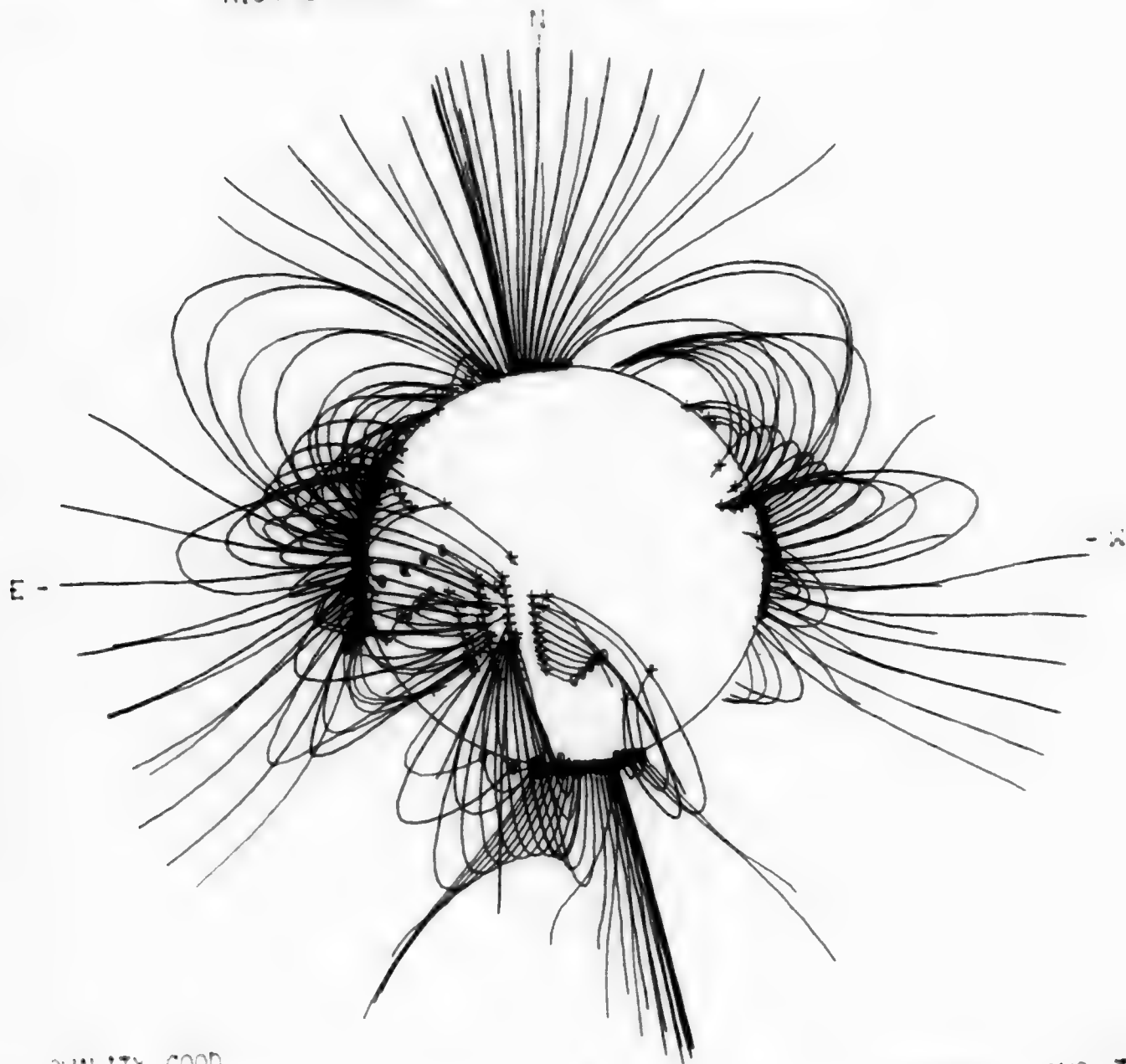


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.480.58

S

ROT. 148° LONG. 34°
20.9 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

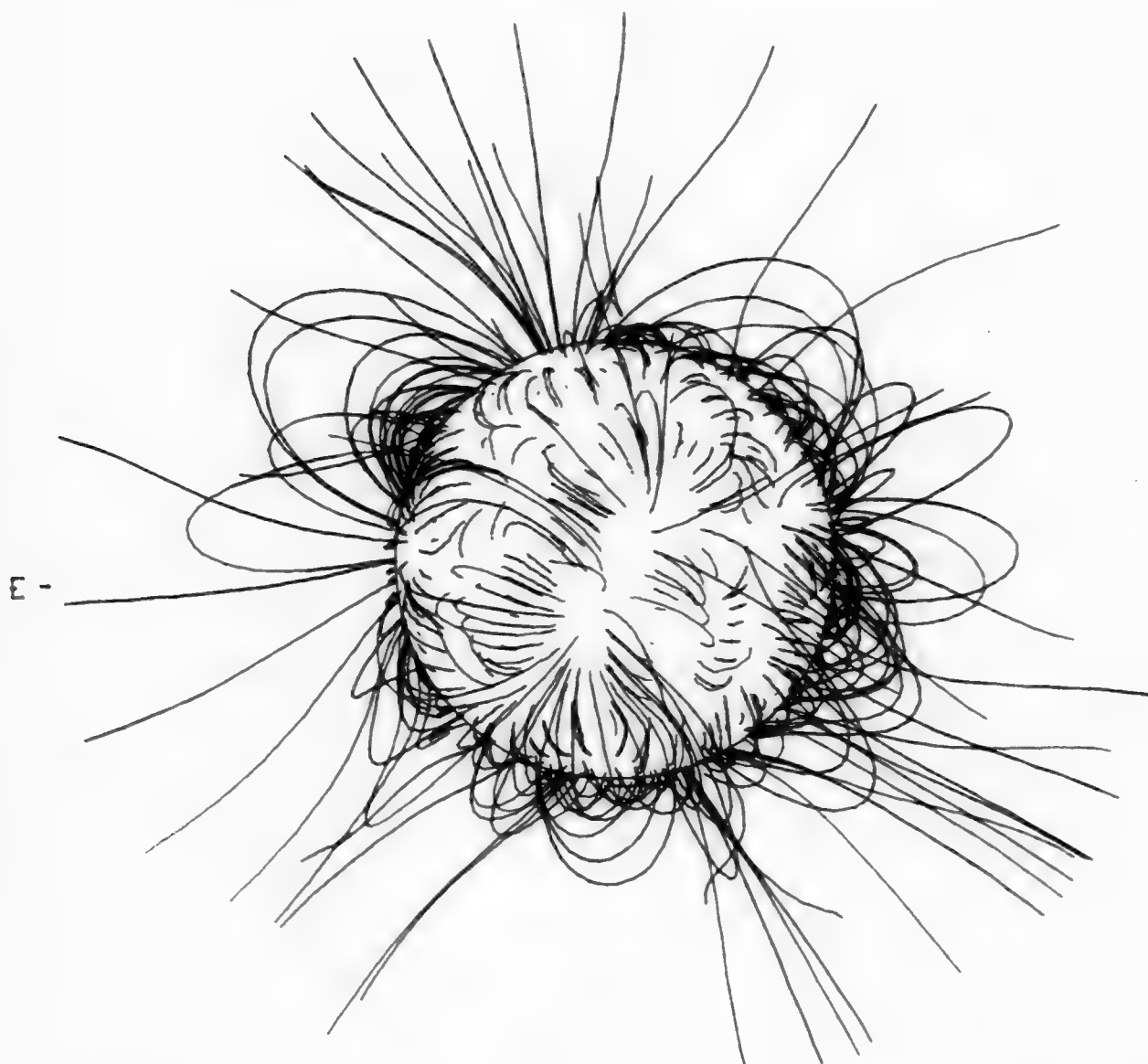


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1480.58

S

RUT. 1481 LONG. 340°
 20.9 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

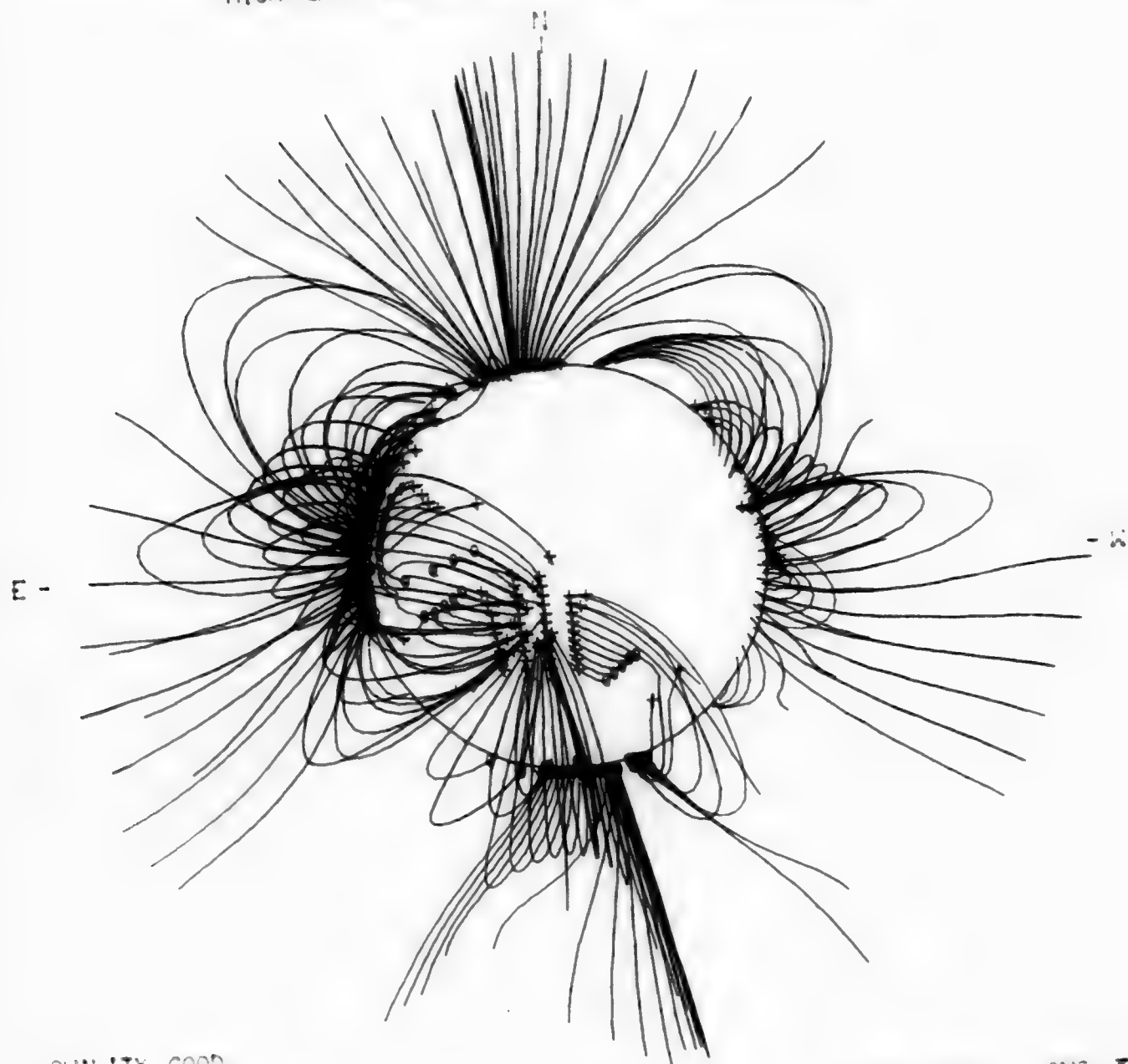


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

1
S

ROT. 1481 LONG. 550°
21.7 1964

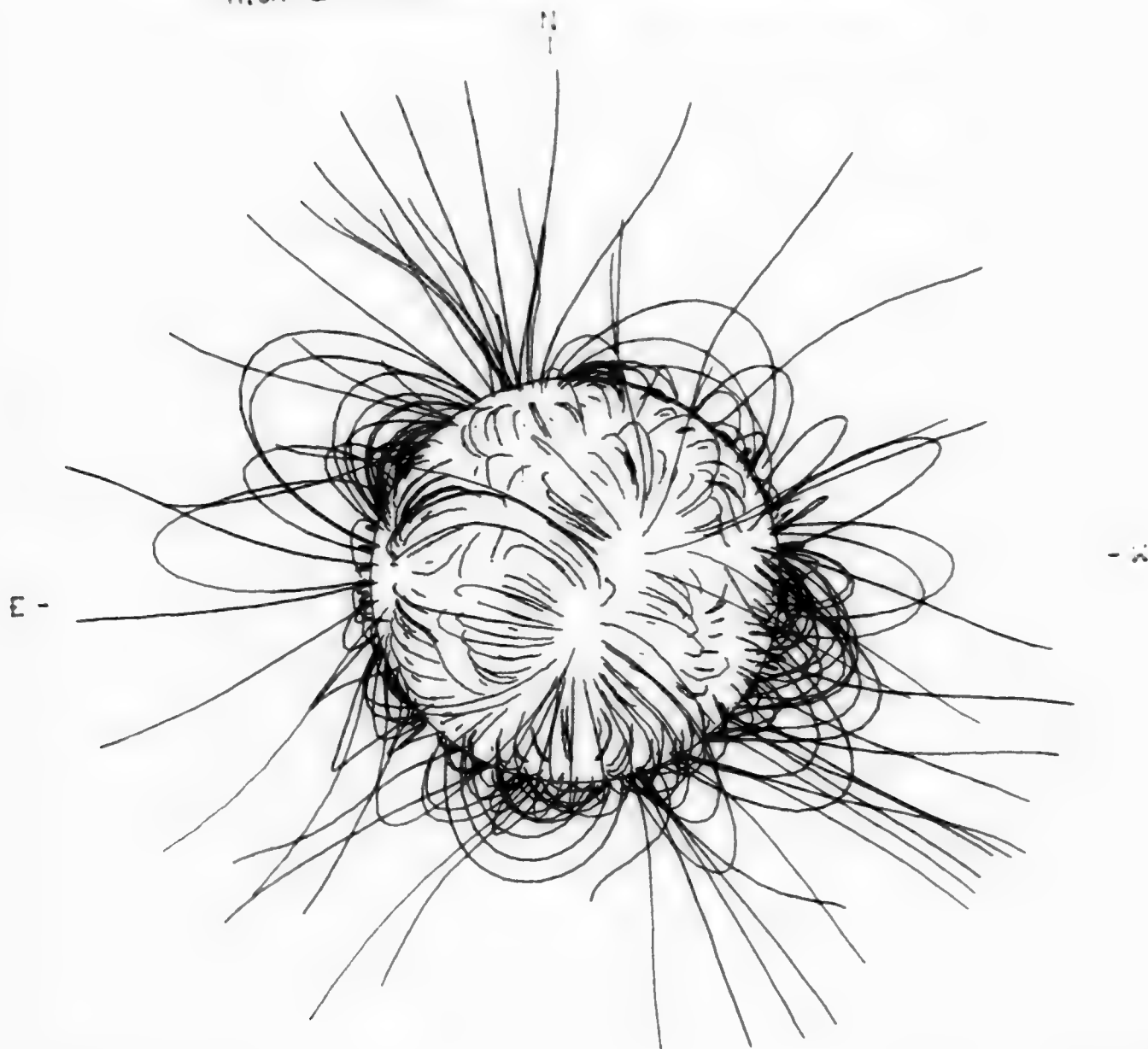
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1481 LONG. 550°
21.7 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

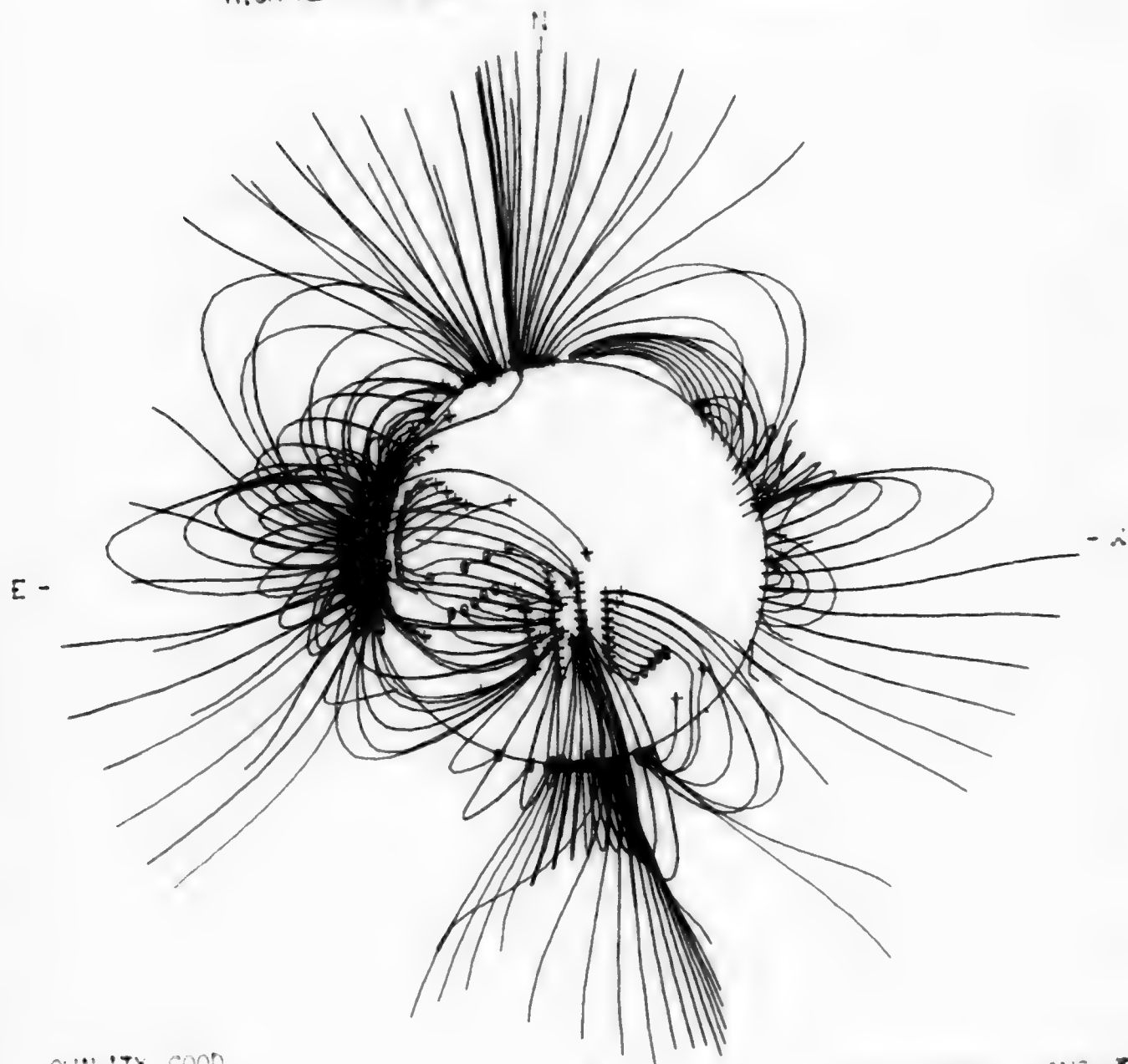


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

1
S

RJT. 148° LONG. 321°
22.4 MAY 1964

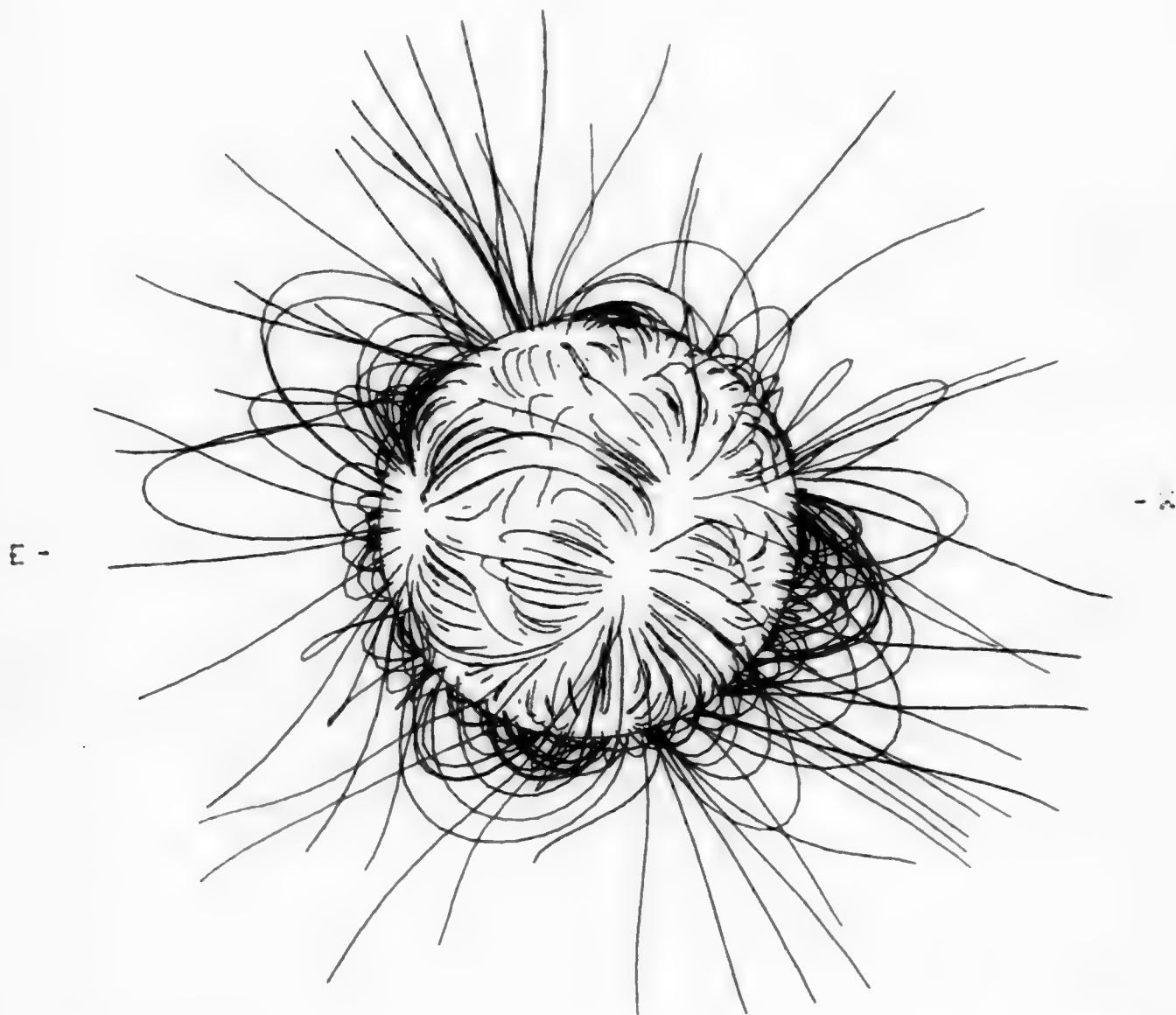
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1480.58

ROT. 1481 LONG. 321°
 22.4 MAY 1964

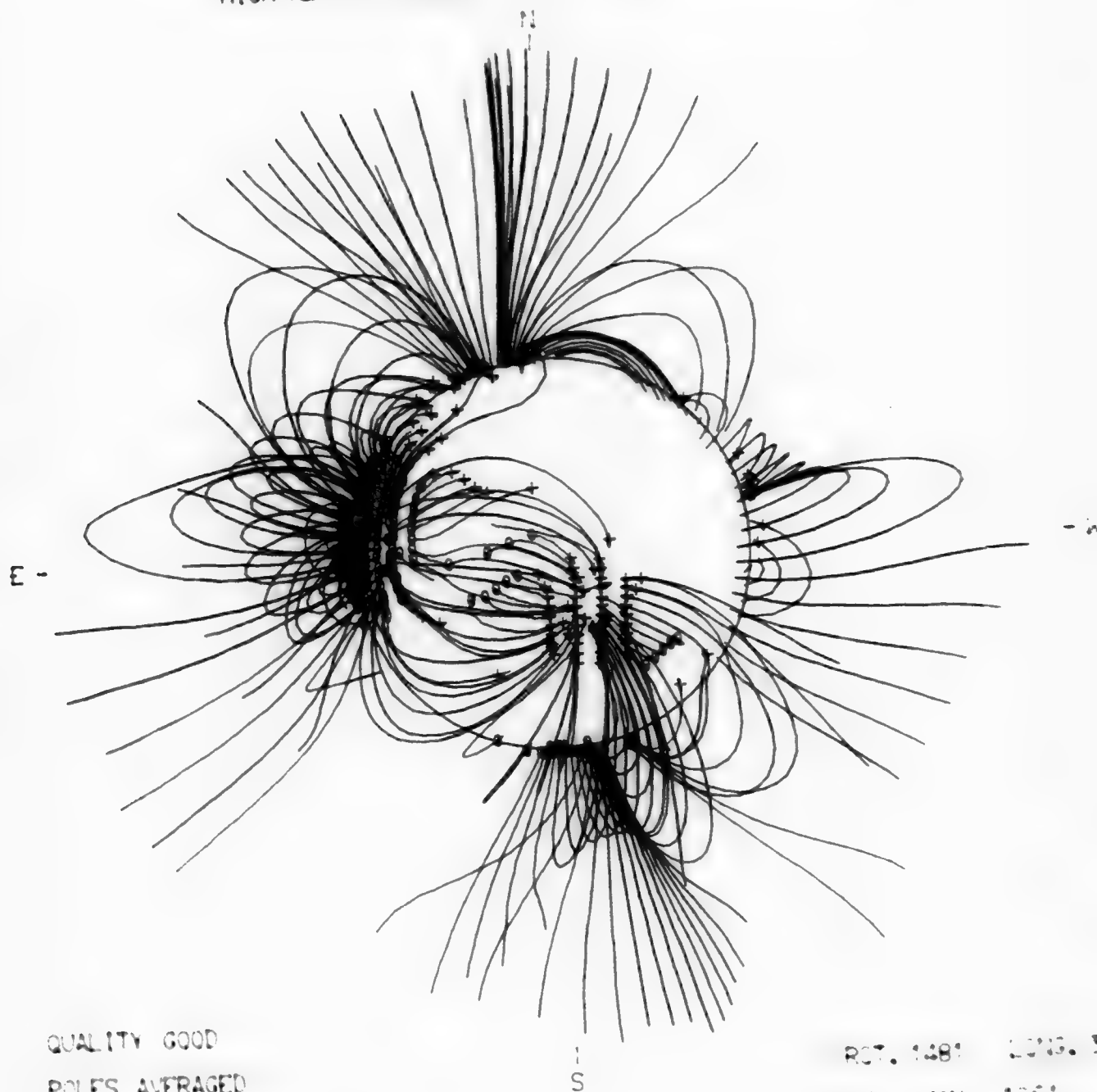
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 148° LONG. 3° 0'
23.2 MAY 1964

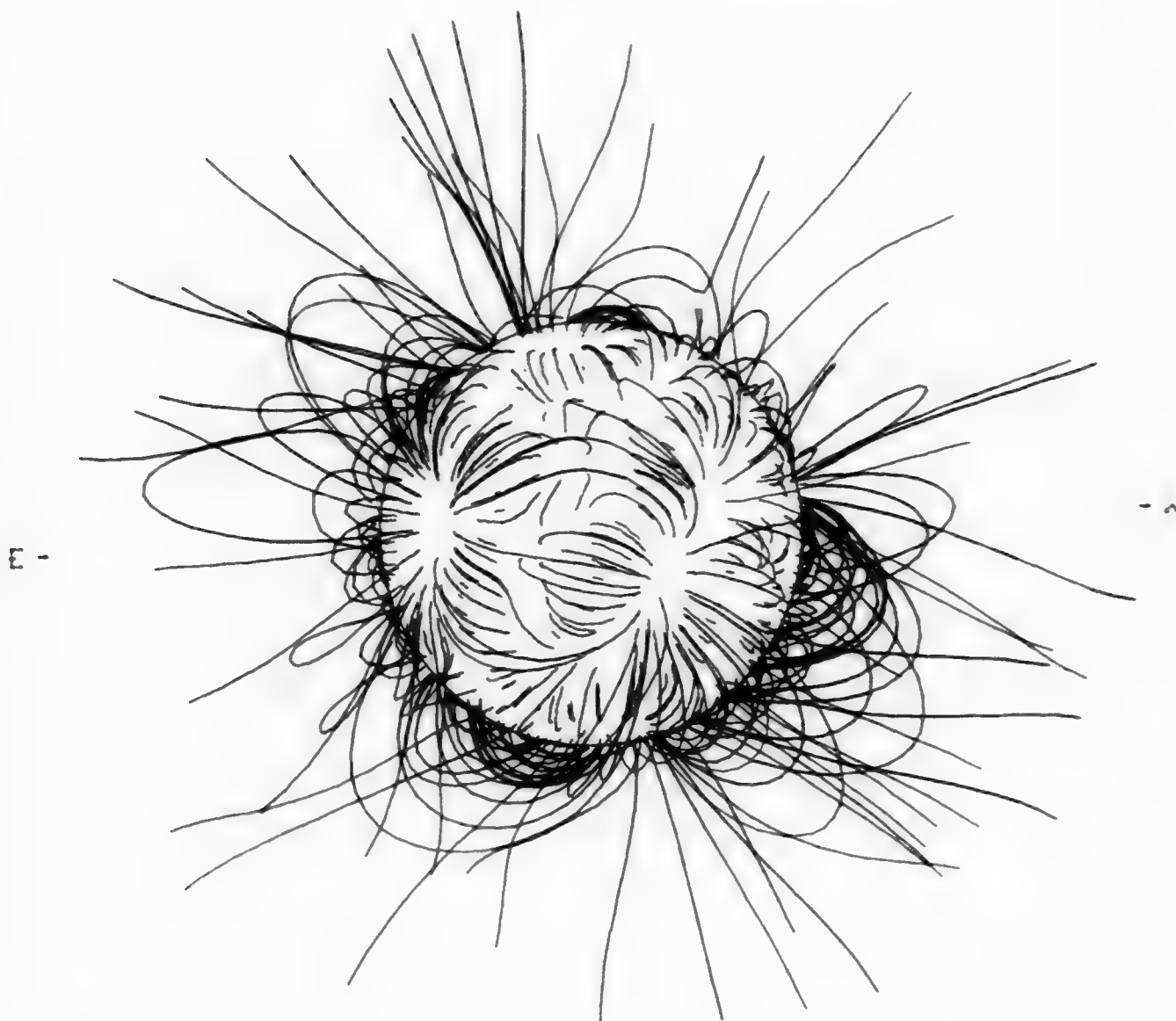
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1481 LONG. 510°
23.2 MAY 1964

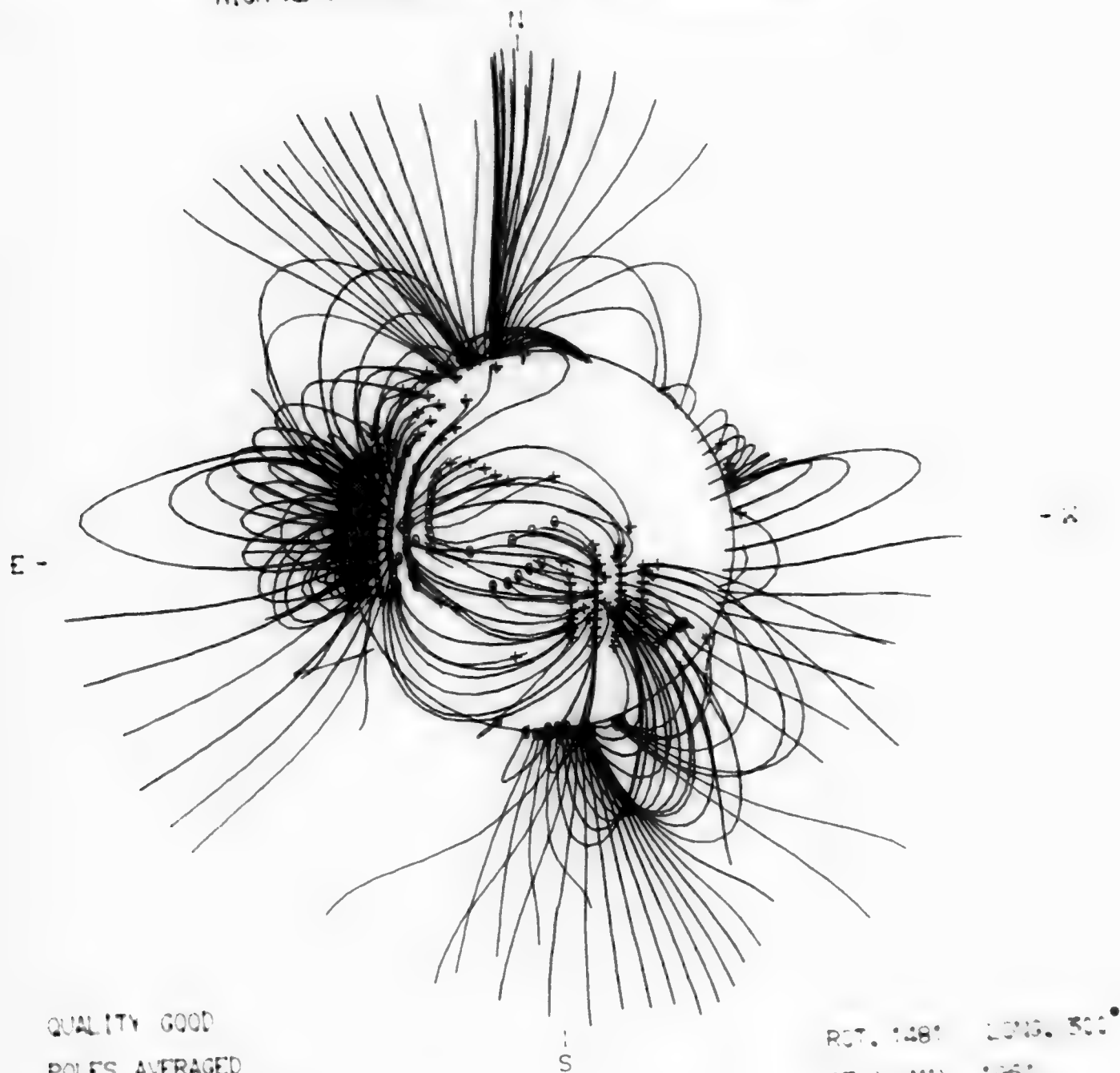
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1481 LONG. 300°
23.9 MAY 1962

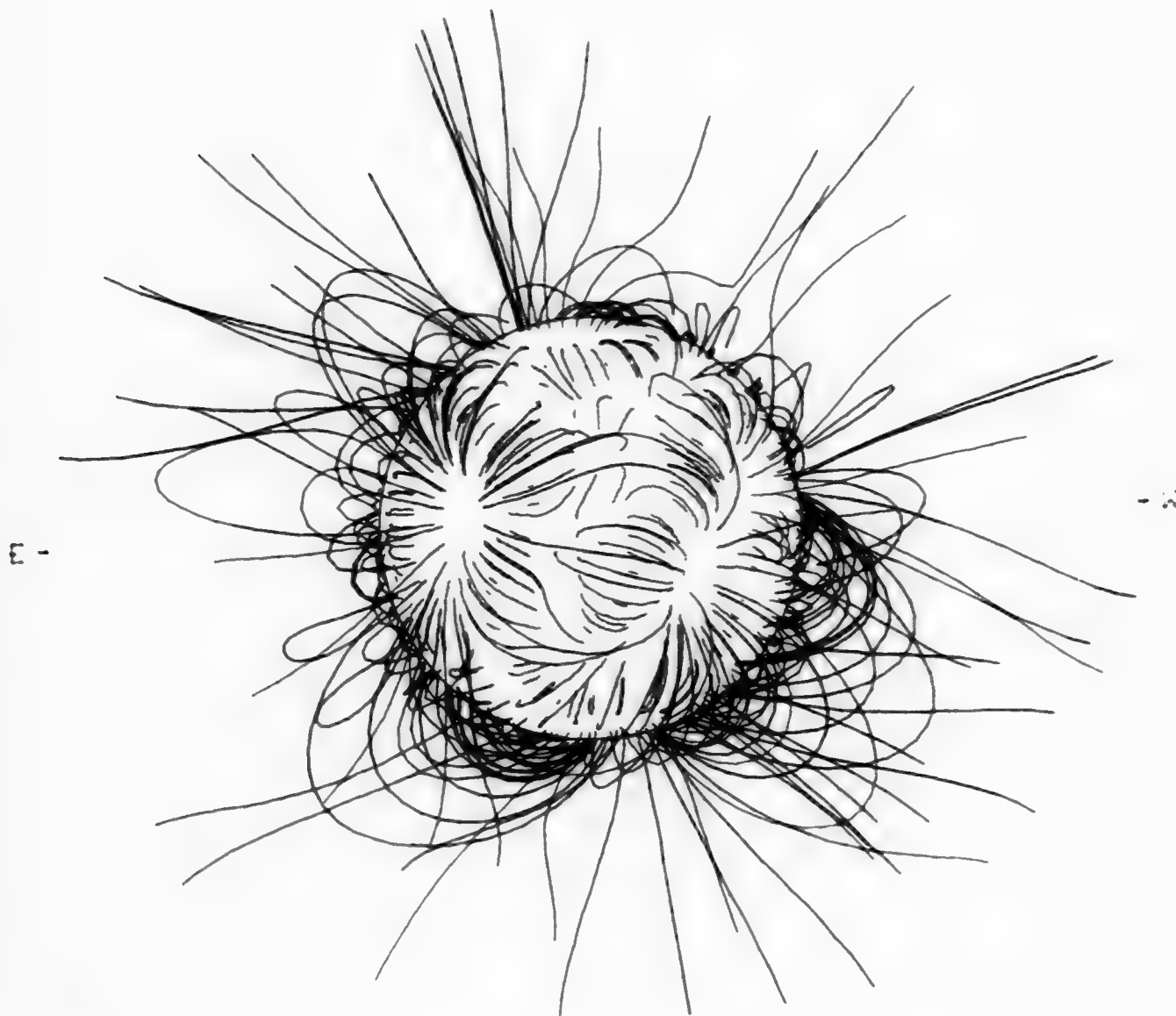
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1481 LONG. 300°
23.9 MAY 1962

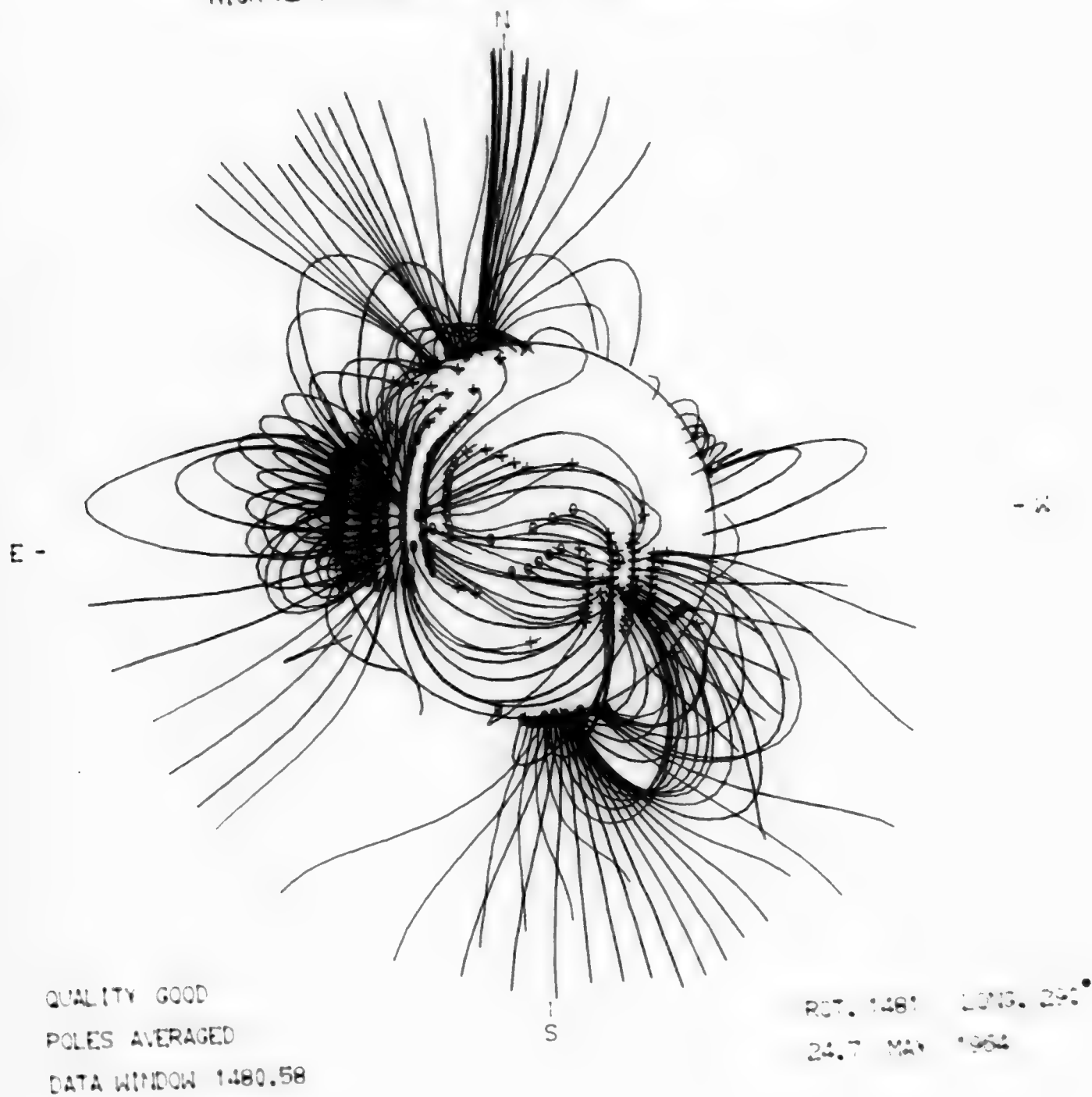
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



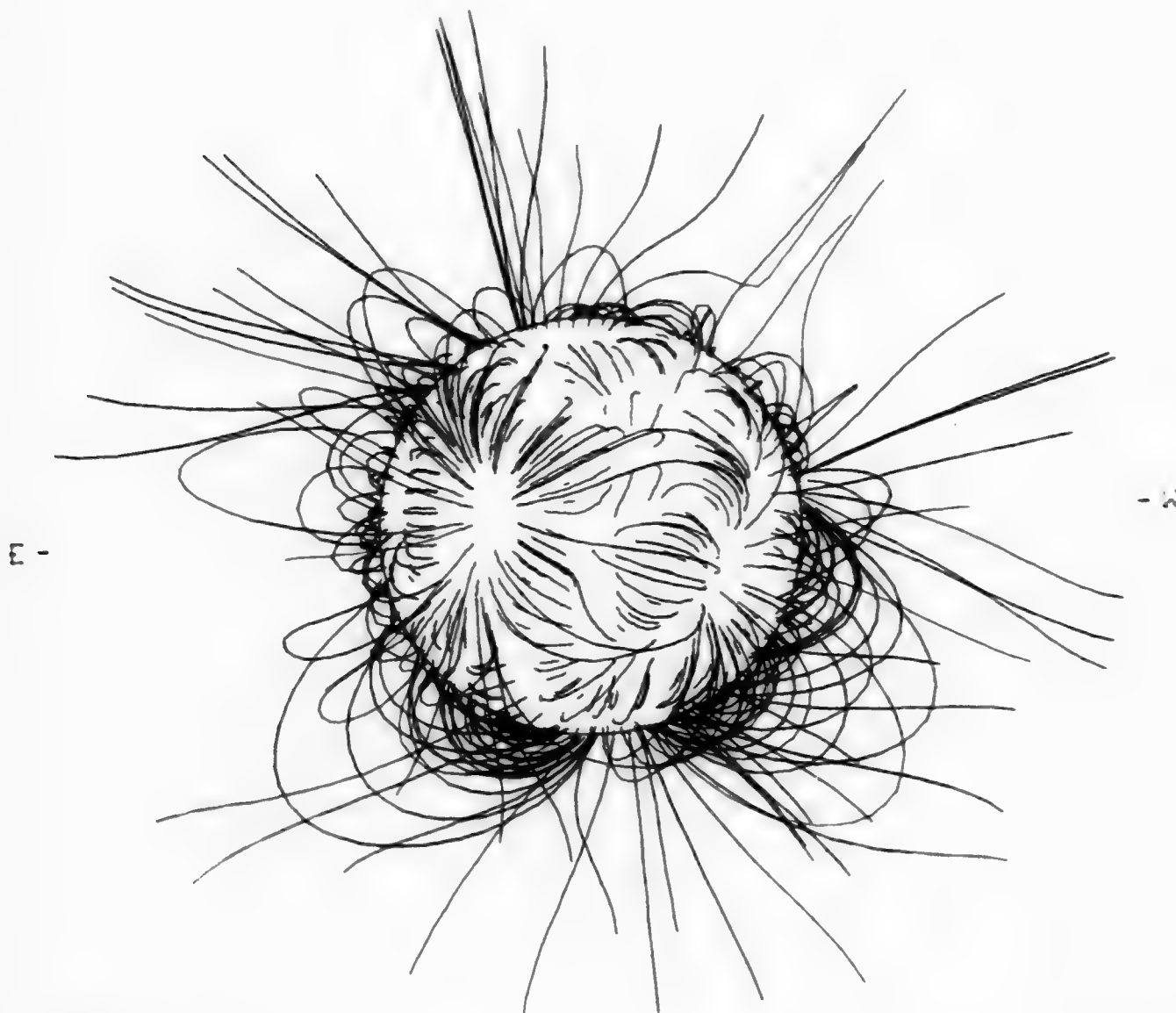
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 1481 LONG. 290°
24.7 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

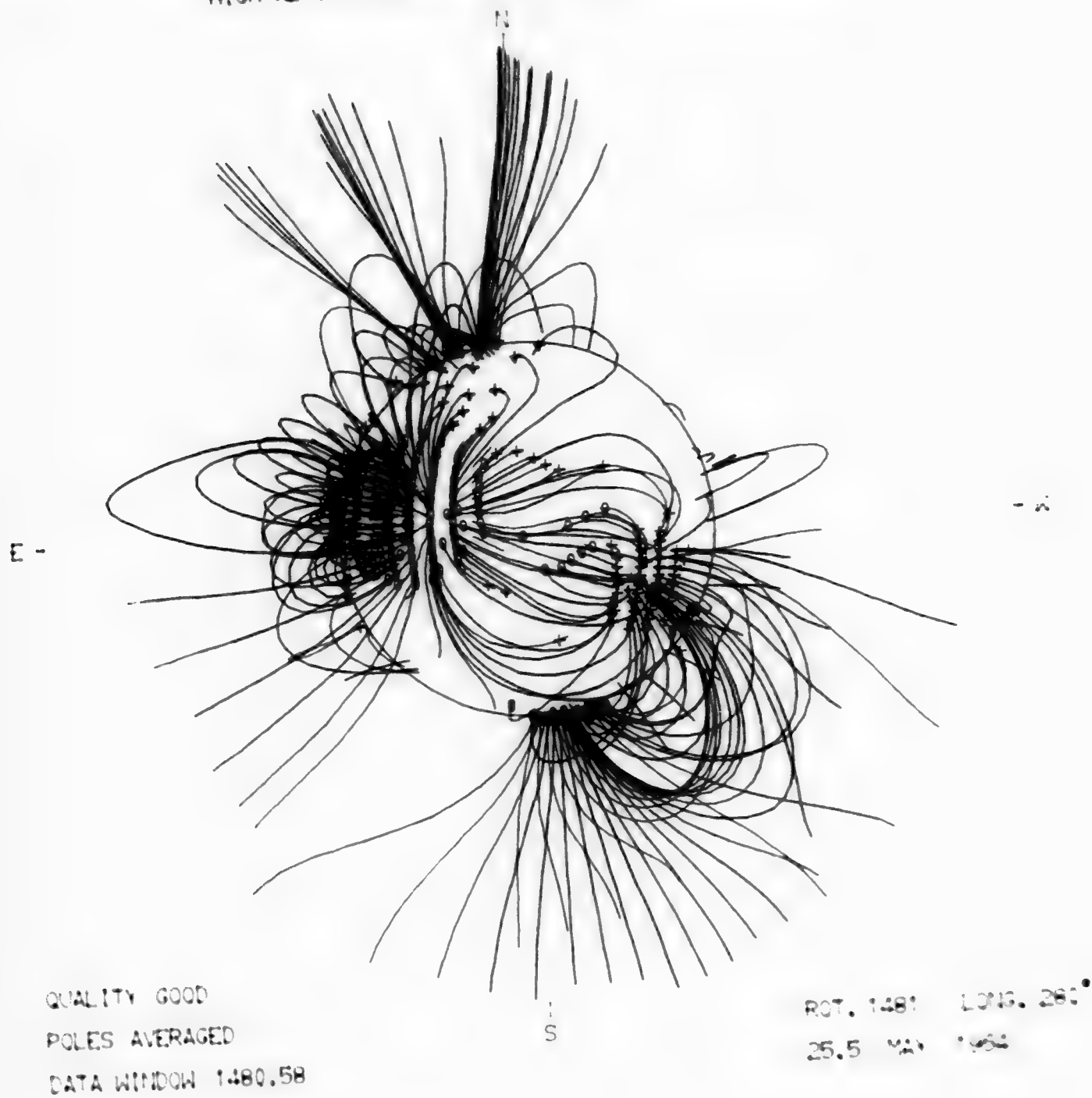


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

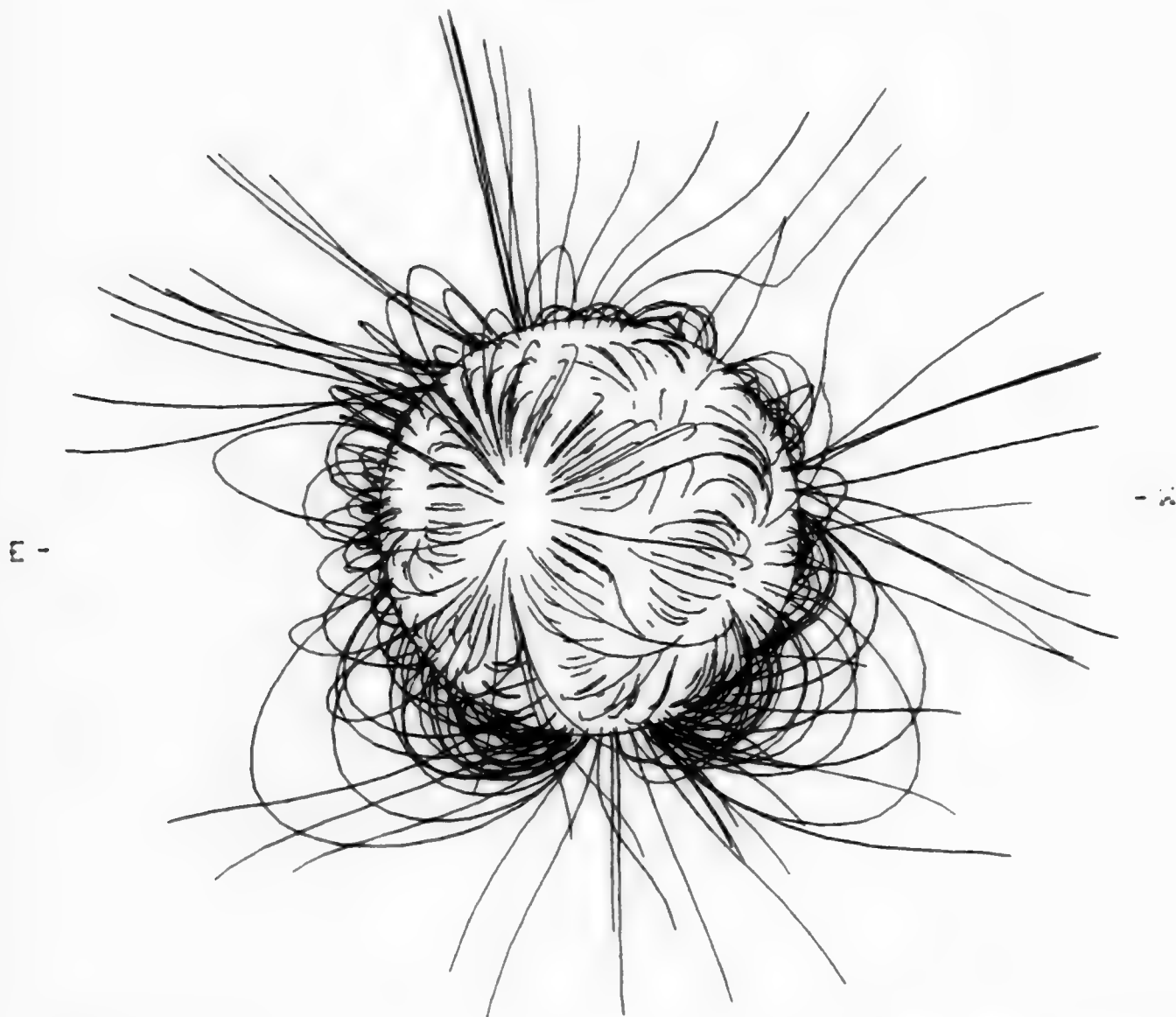
1
S

ROT. 1481 LONG. 280°
25.5 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



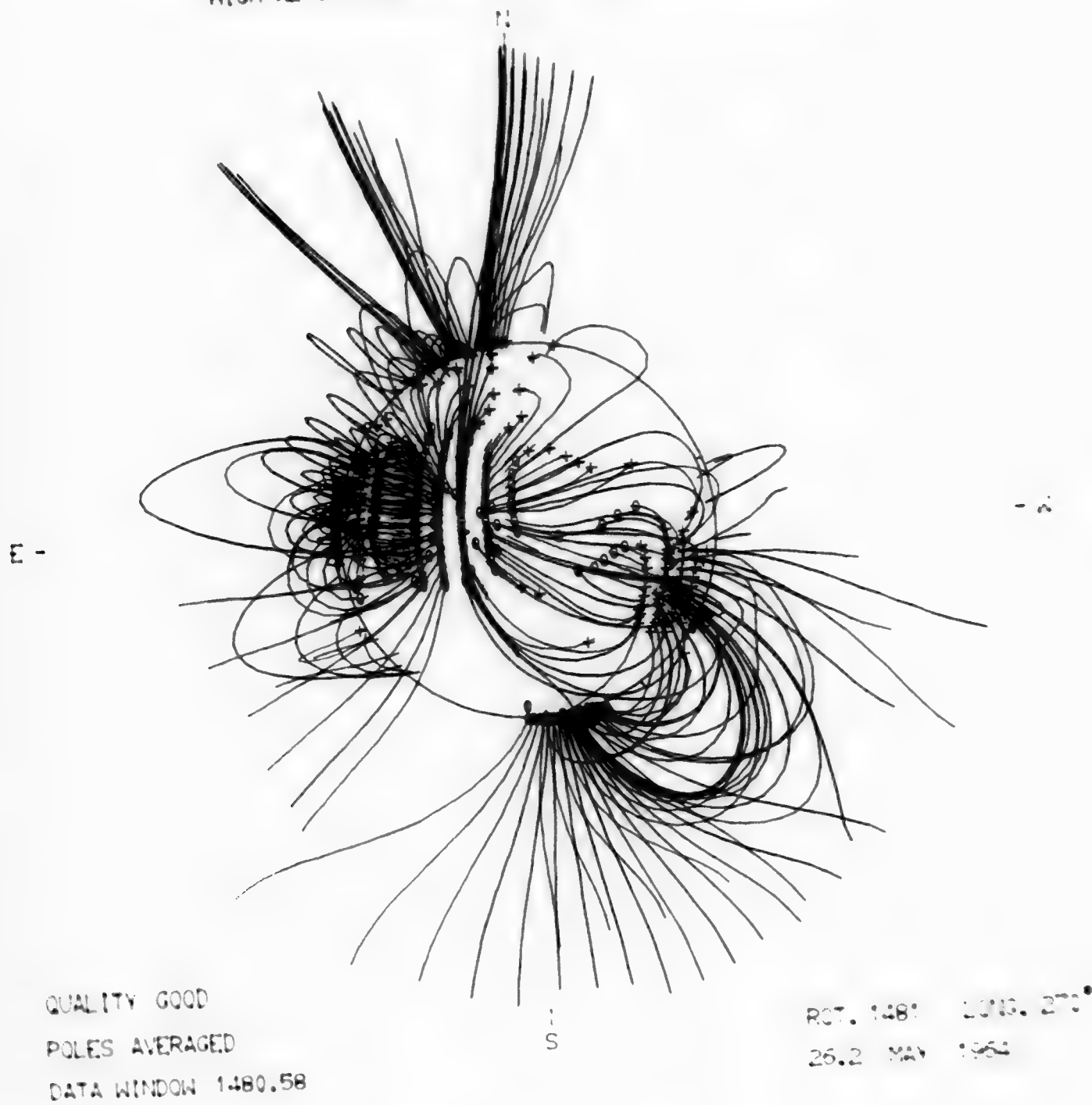
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



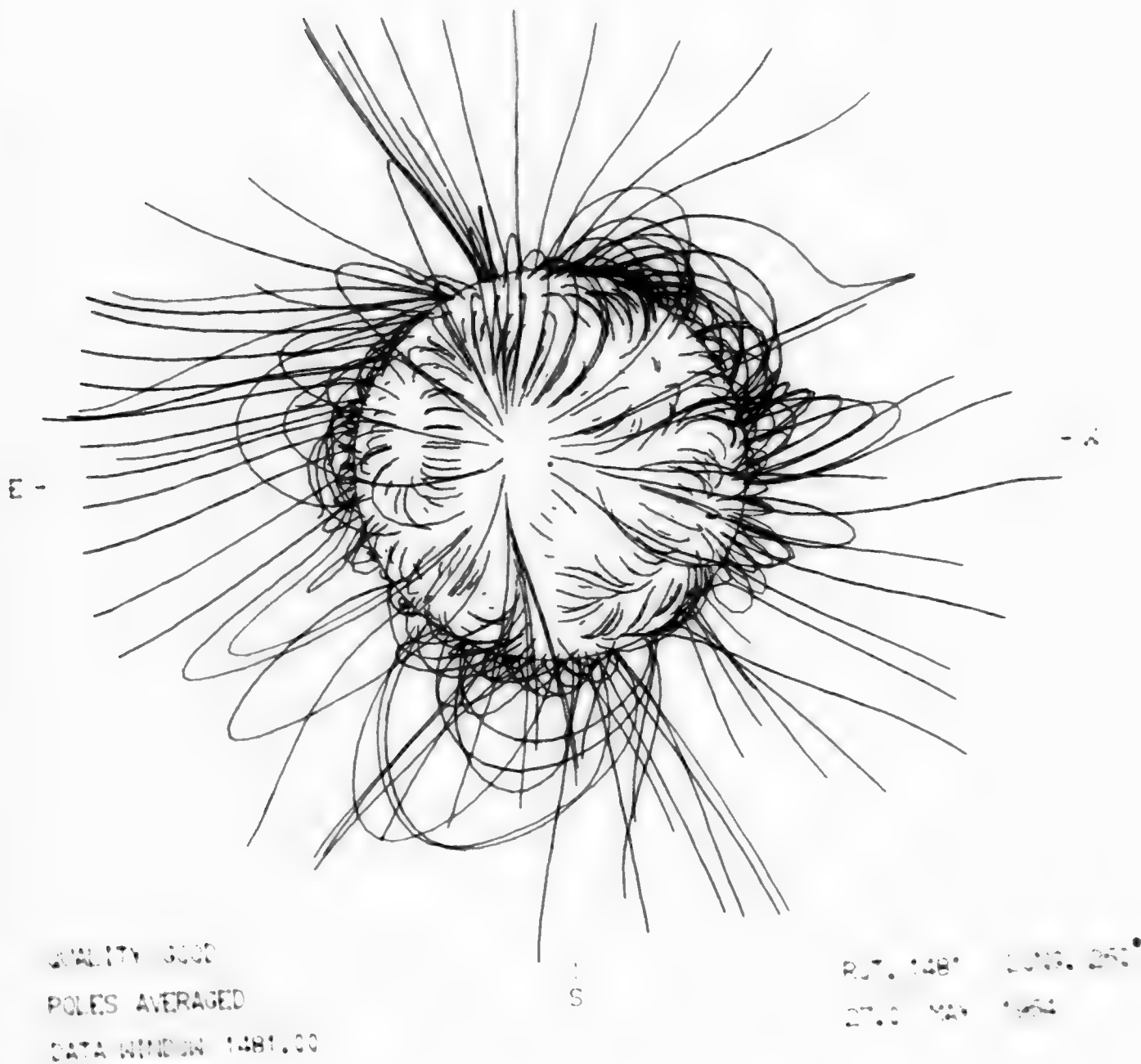
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1480.58

ROT. 48° LONG. 27°
26.2 MAY 1964

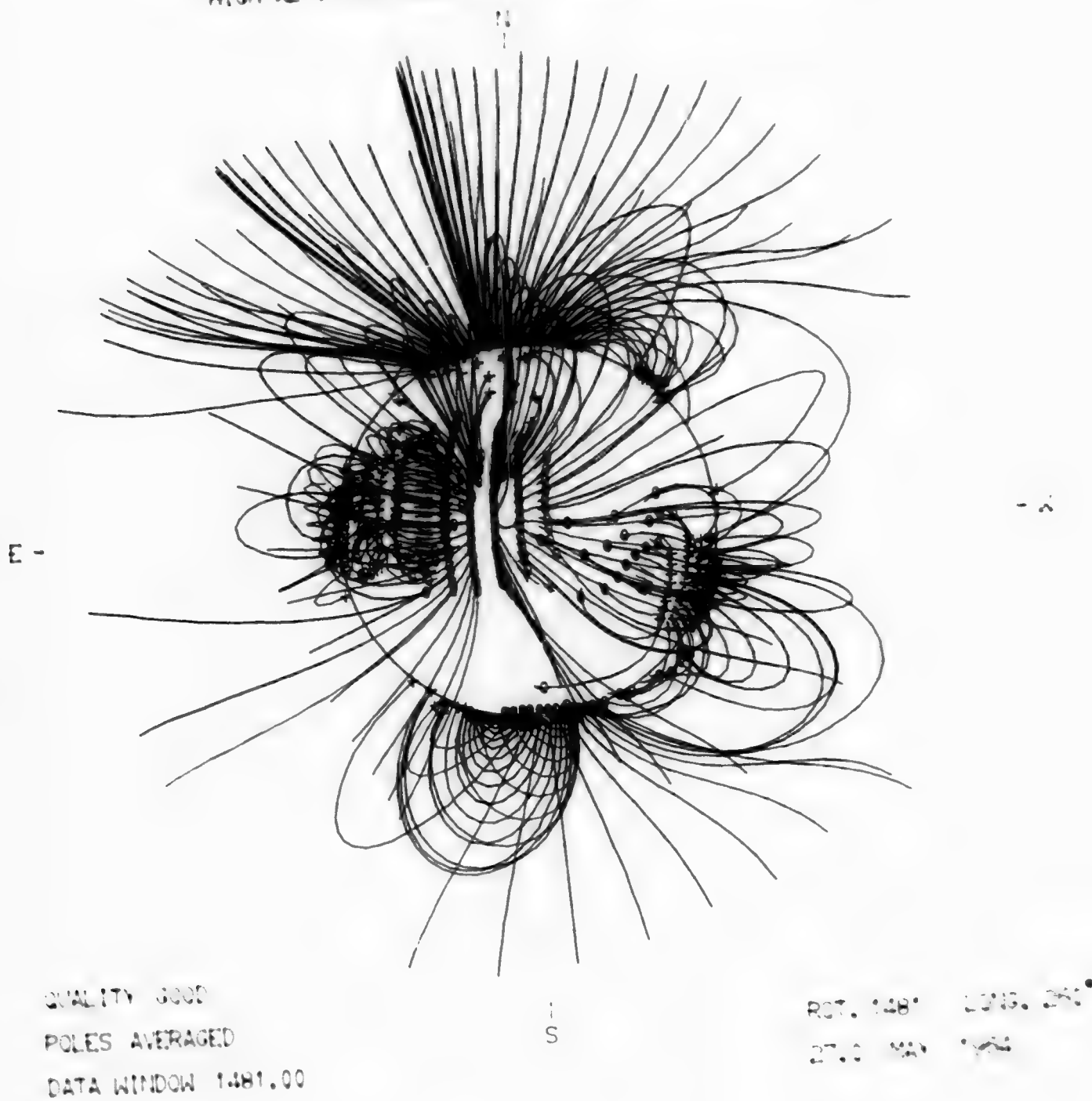
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



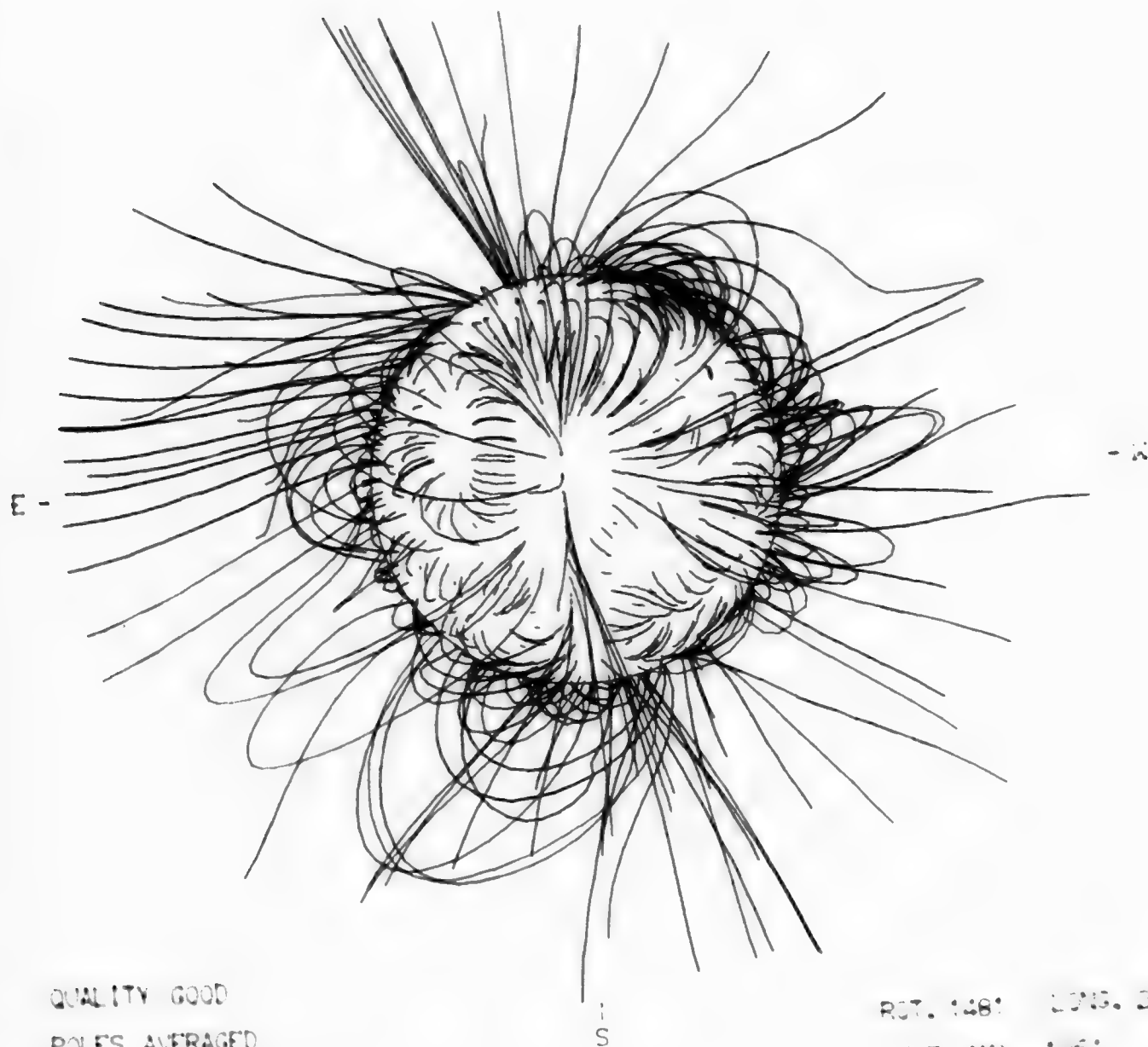
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



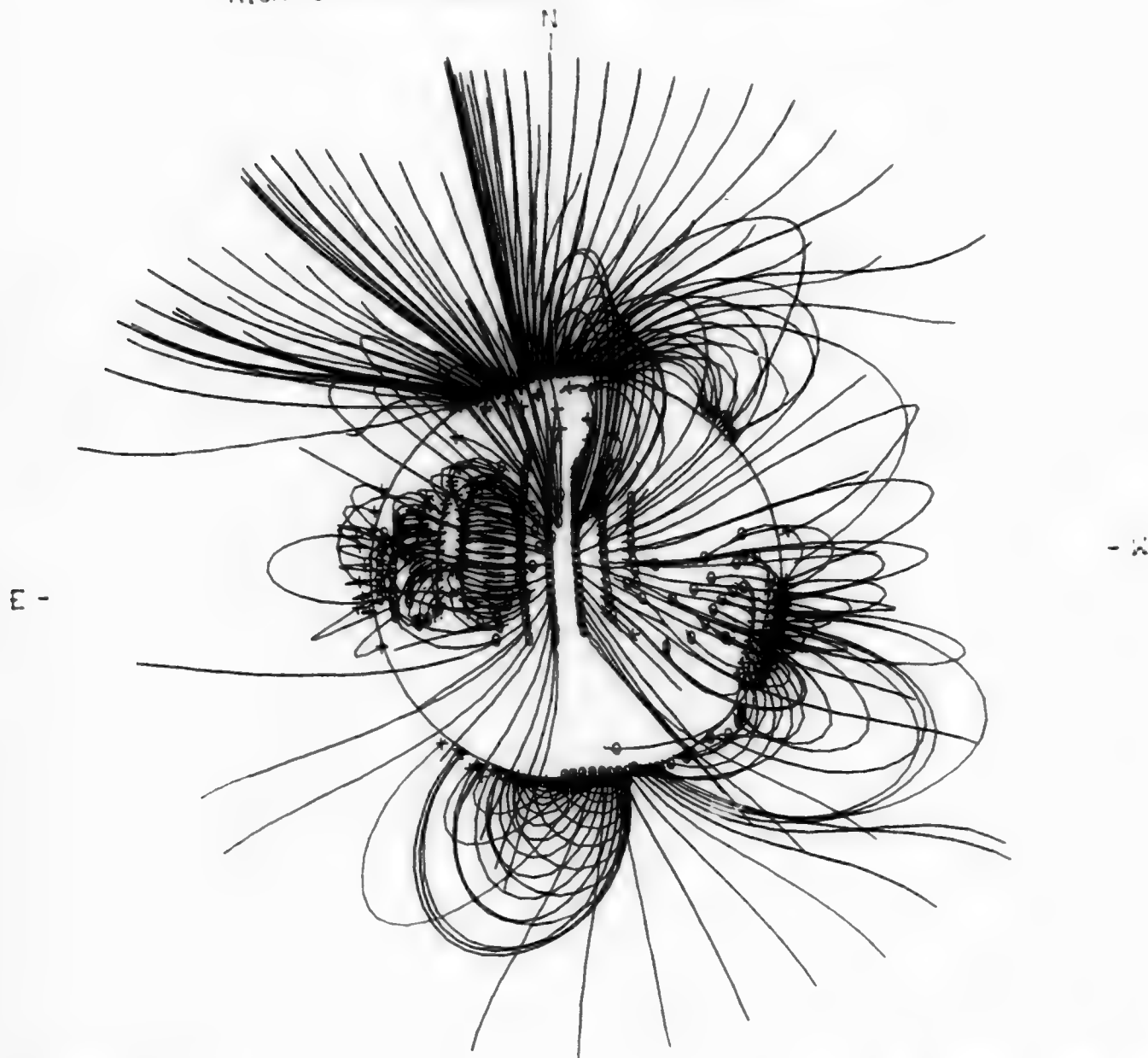
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

ROT. 1481 2713.250°
27.7 MAY 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

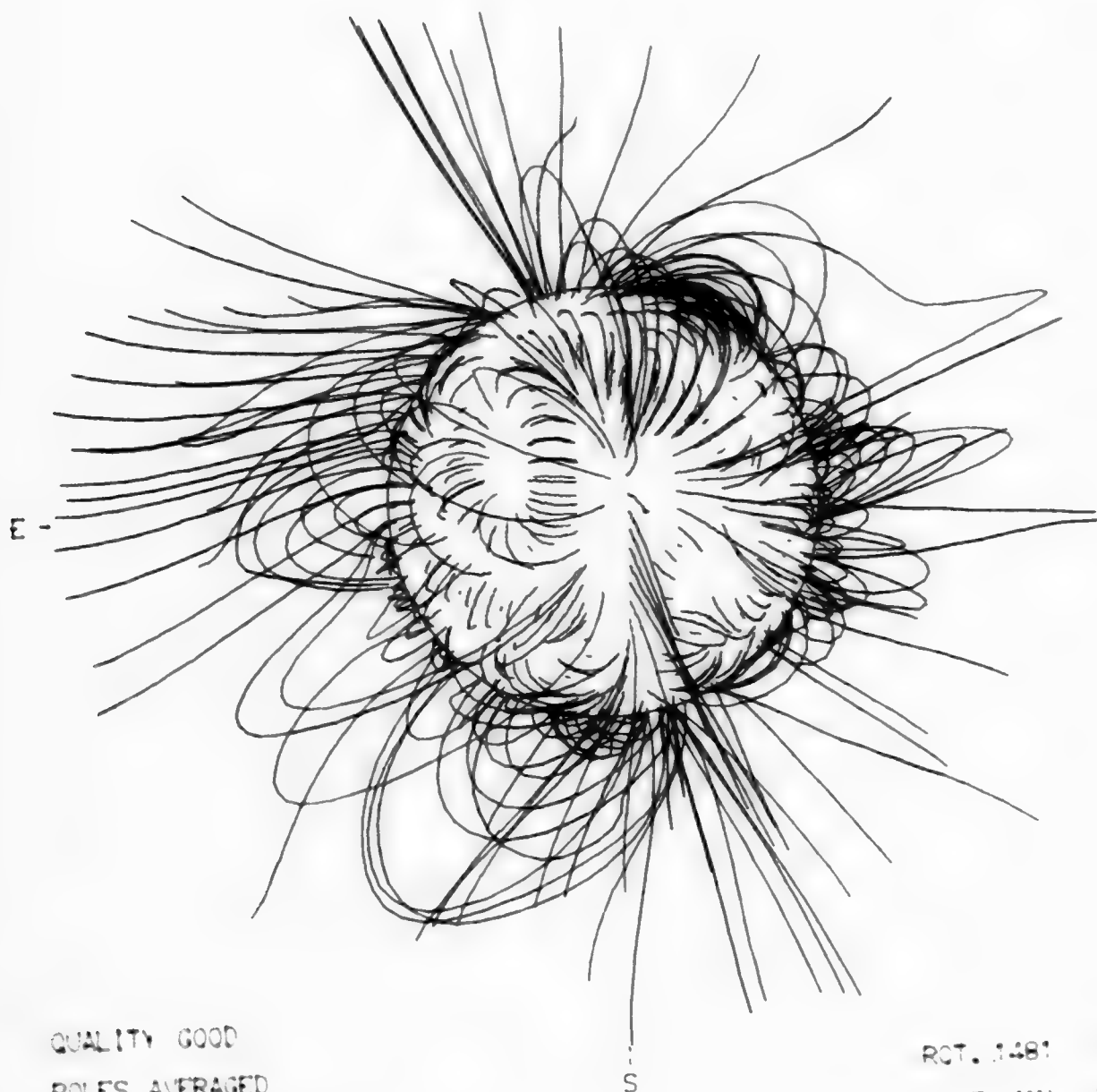


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

1
S

ROT. 1481 1016.250°
27.7 MAY 1964

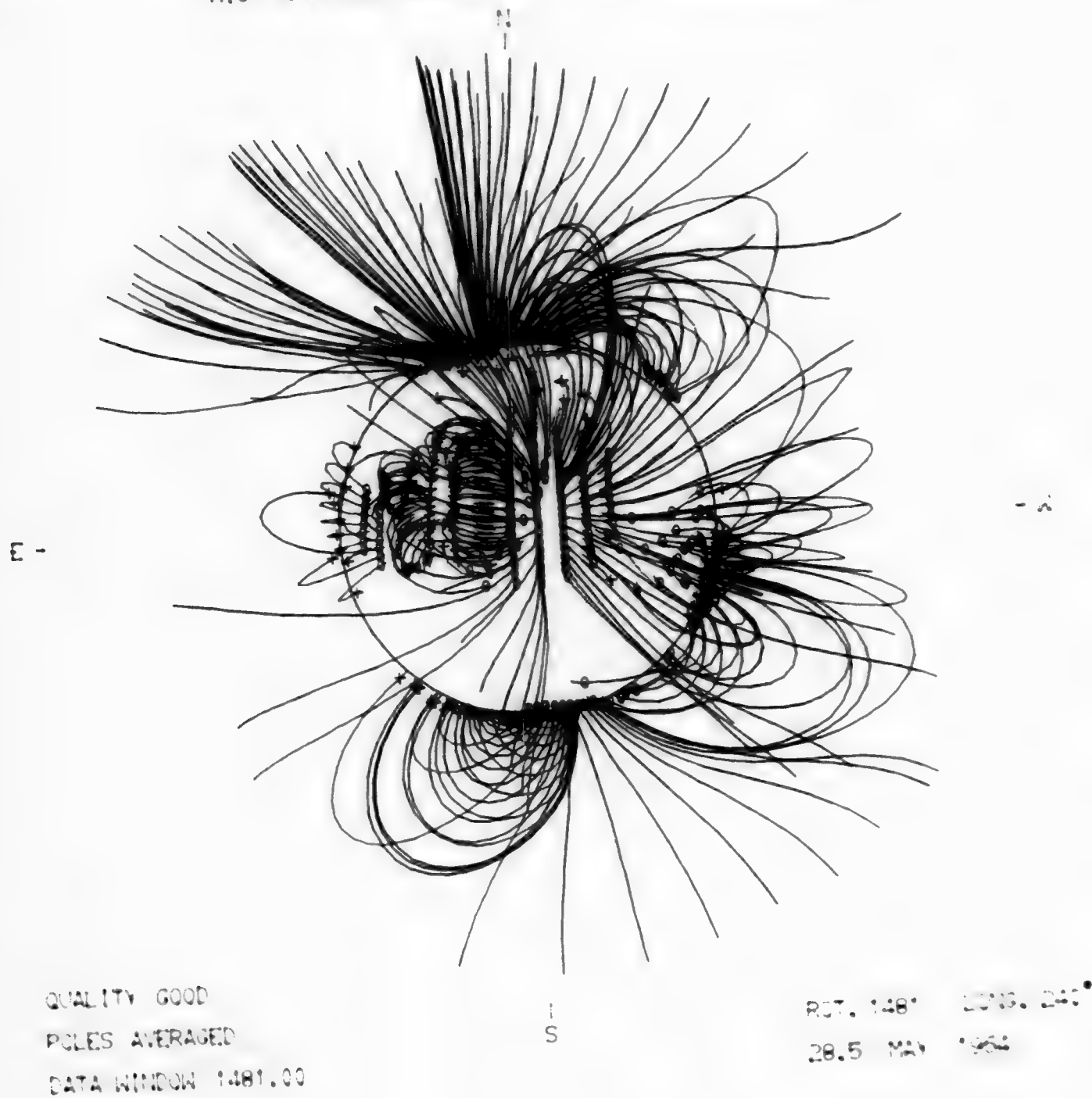
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



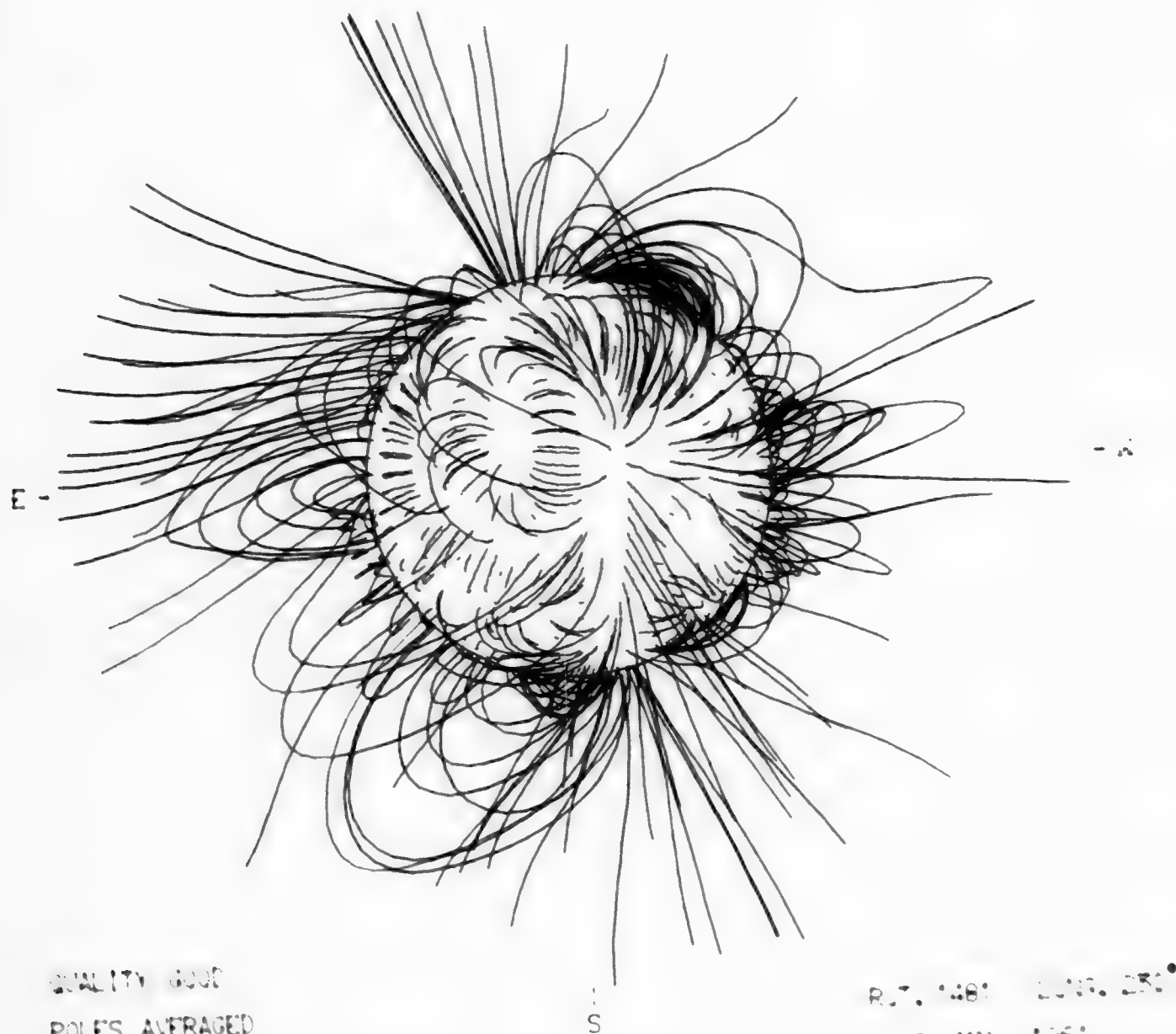
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

ROT. 1481 LONG. 240°
28.5 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



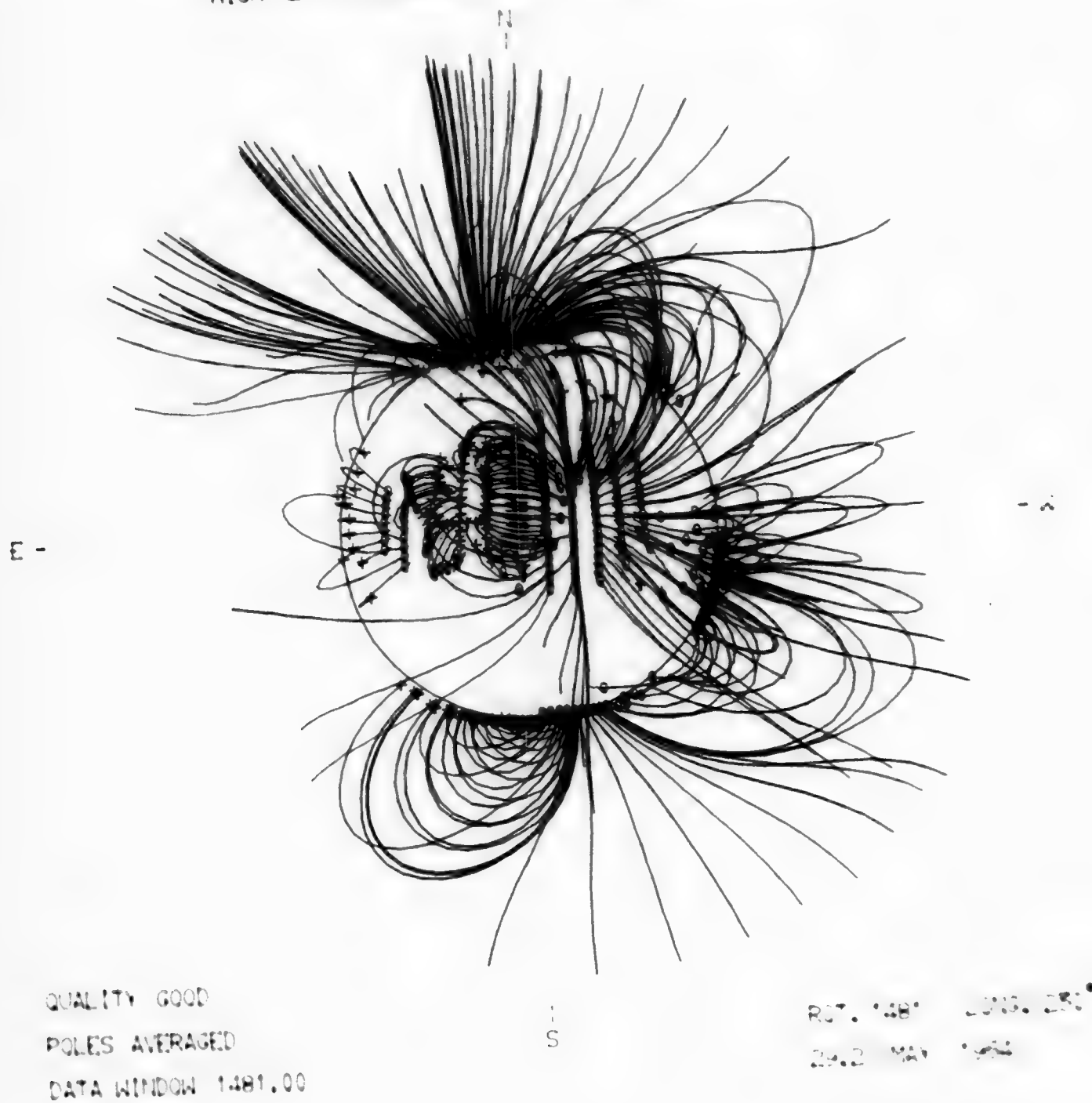
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



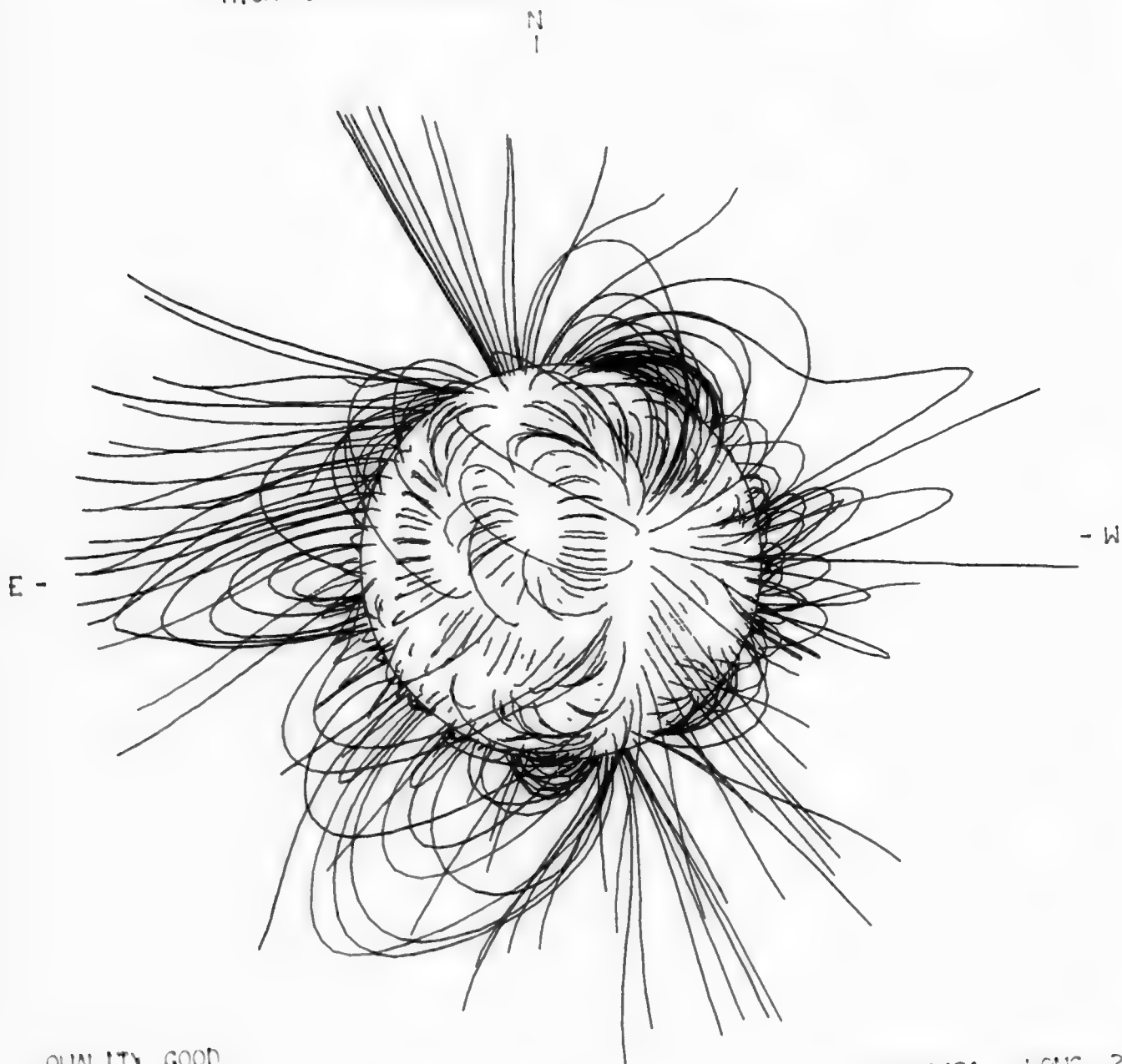
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

R.T. 1481 200.25°
29.2 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



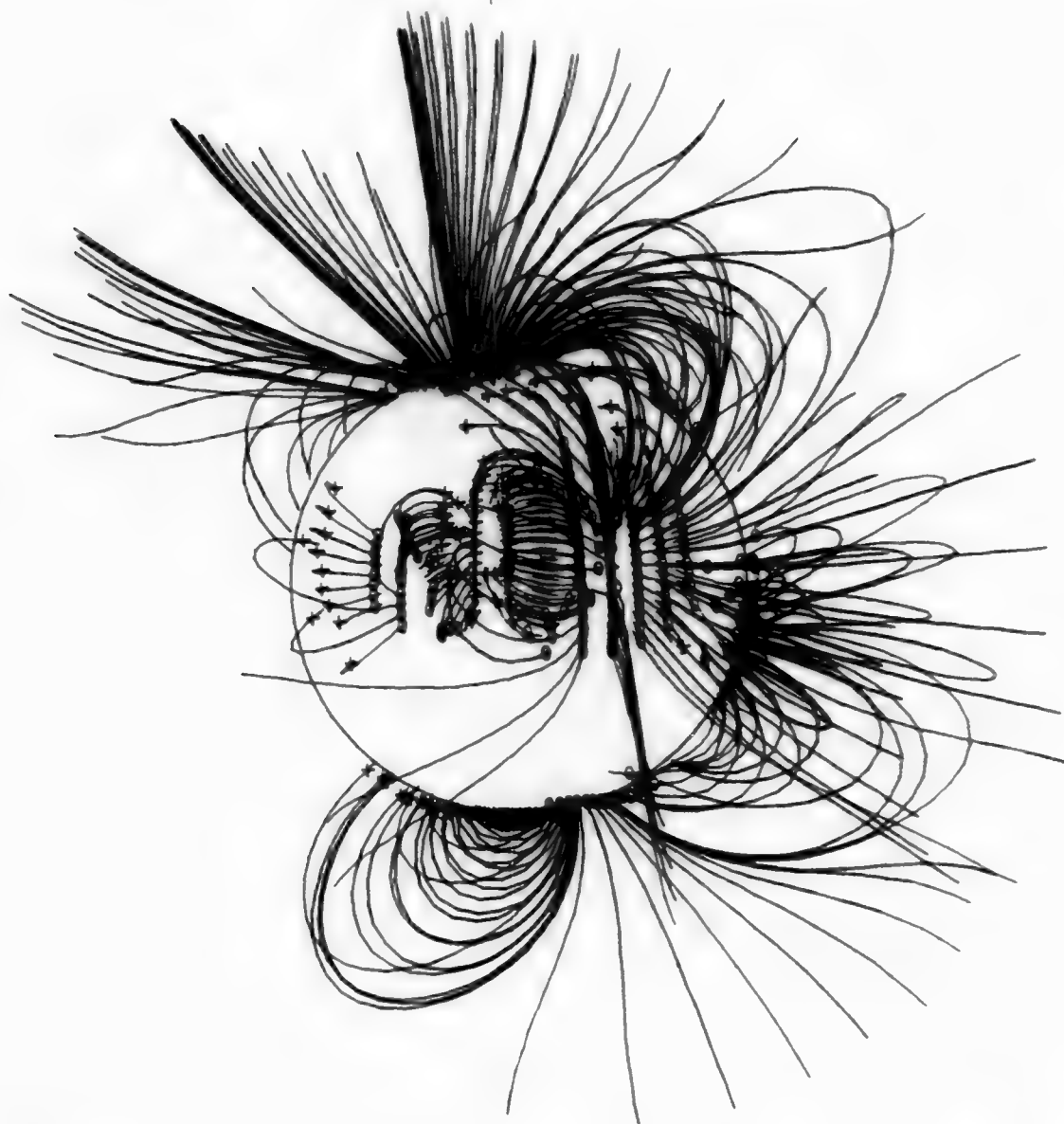
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

1
S

ROT. 1481 LONG. 220°
30.0 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

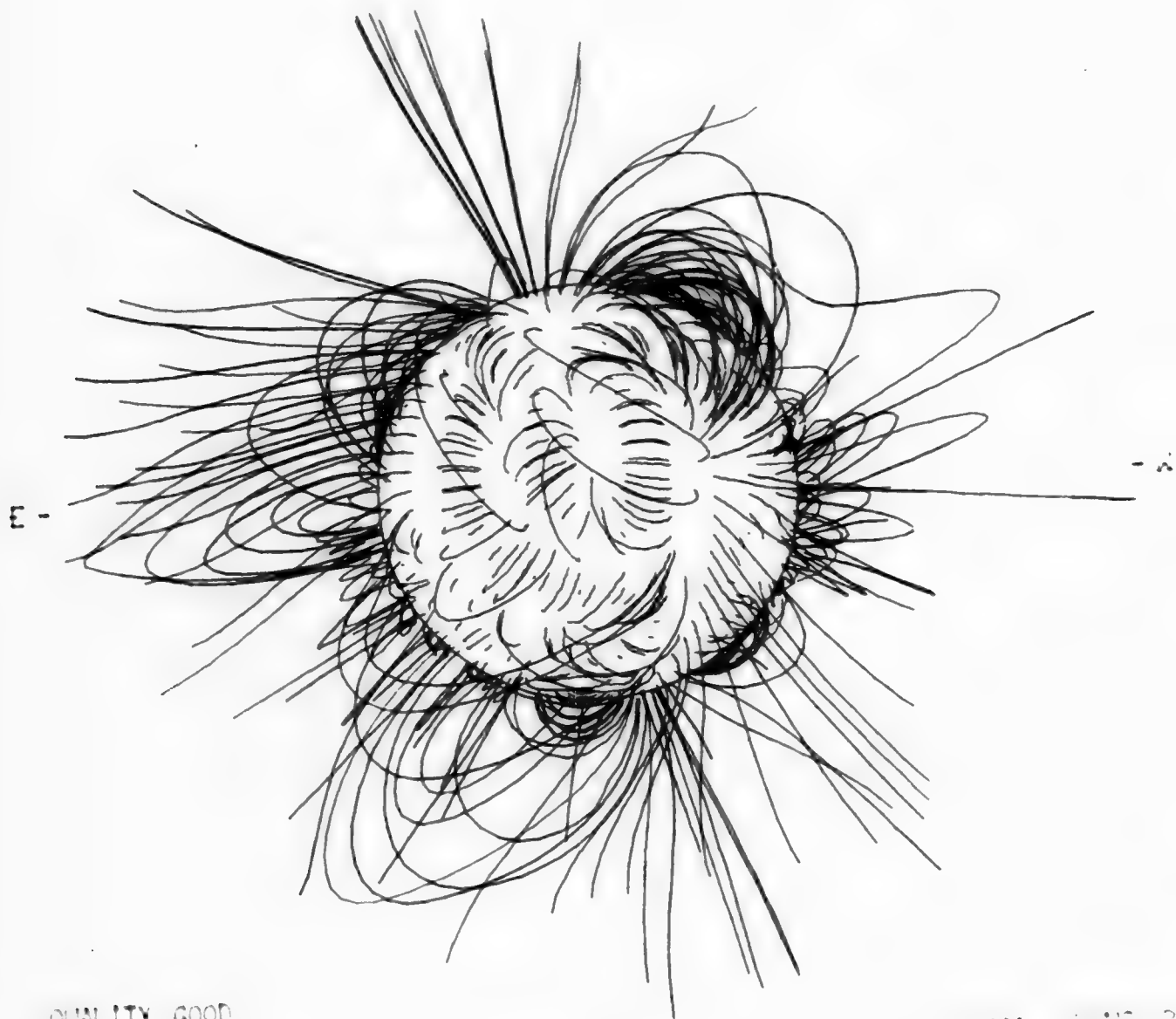


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

I
S

ROT. 148° LONG. 220°
30.0 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

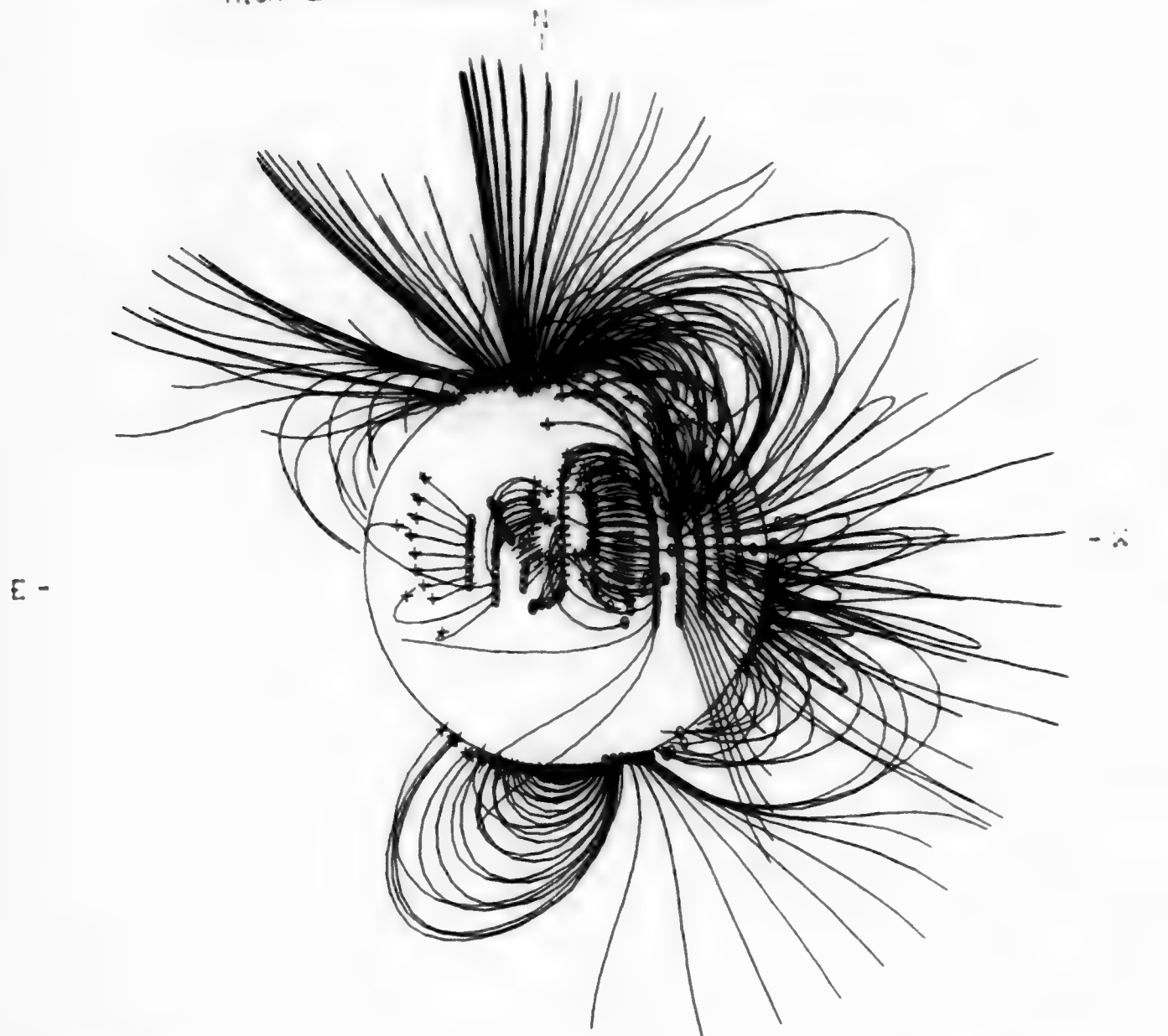


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

S

ROT. 148° LONG. 21°
30.7 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

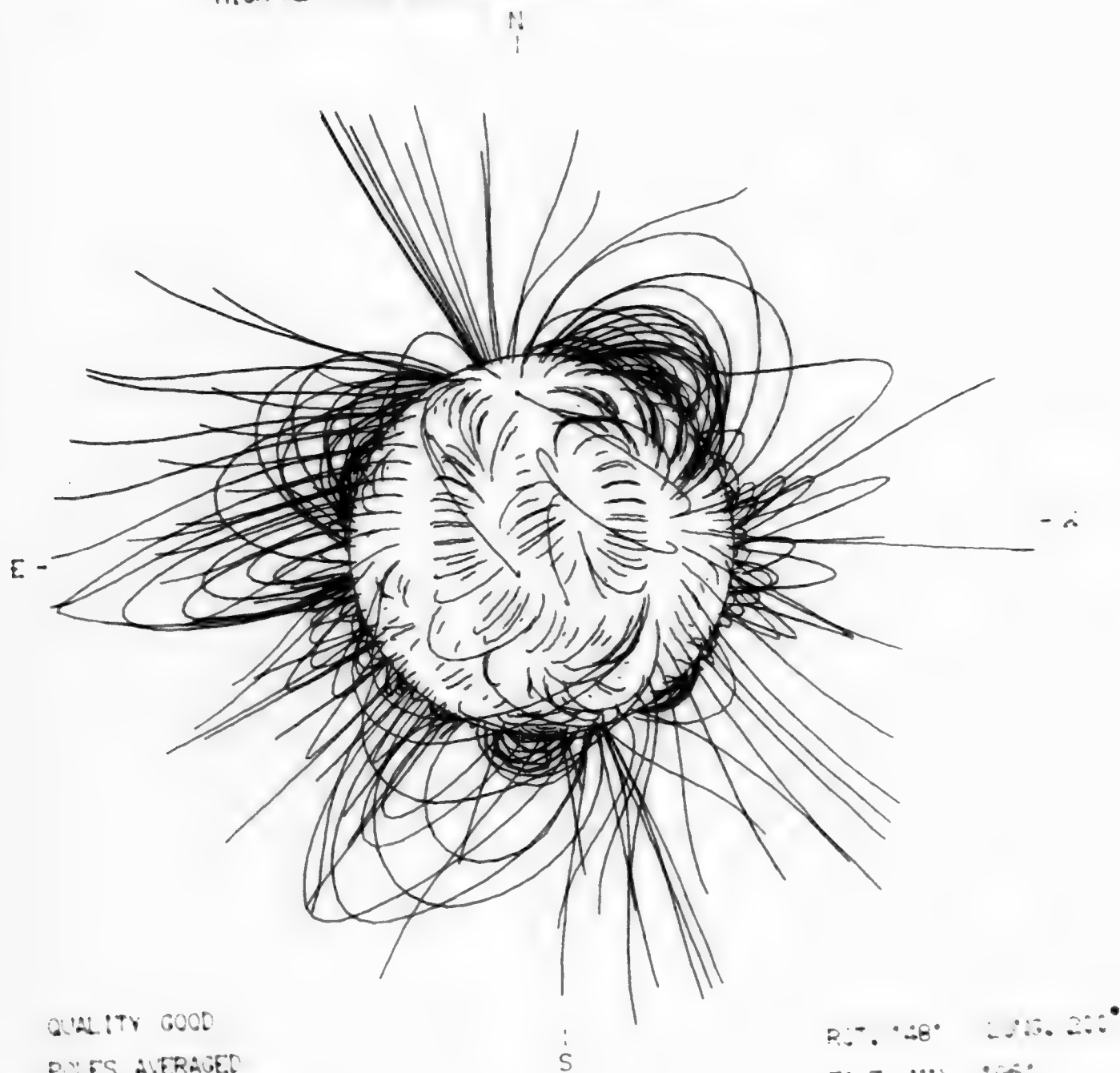


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1481.00

S

ROT. 1481 LONG. 2° 0'
 30.7 MAY 1964

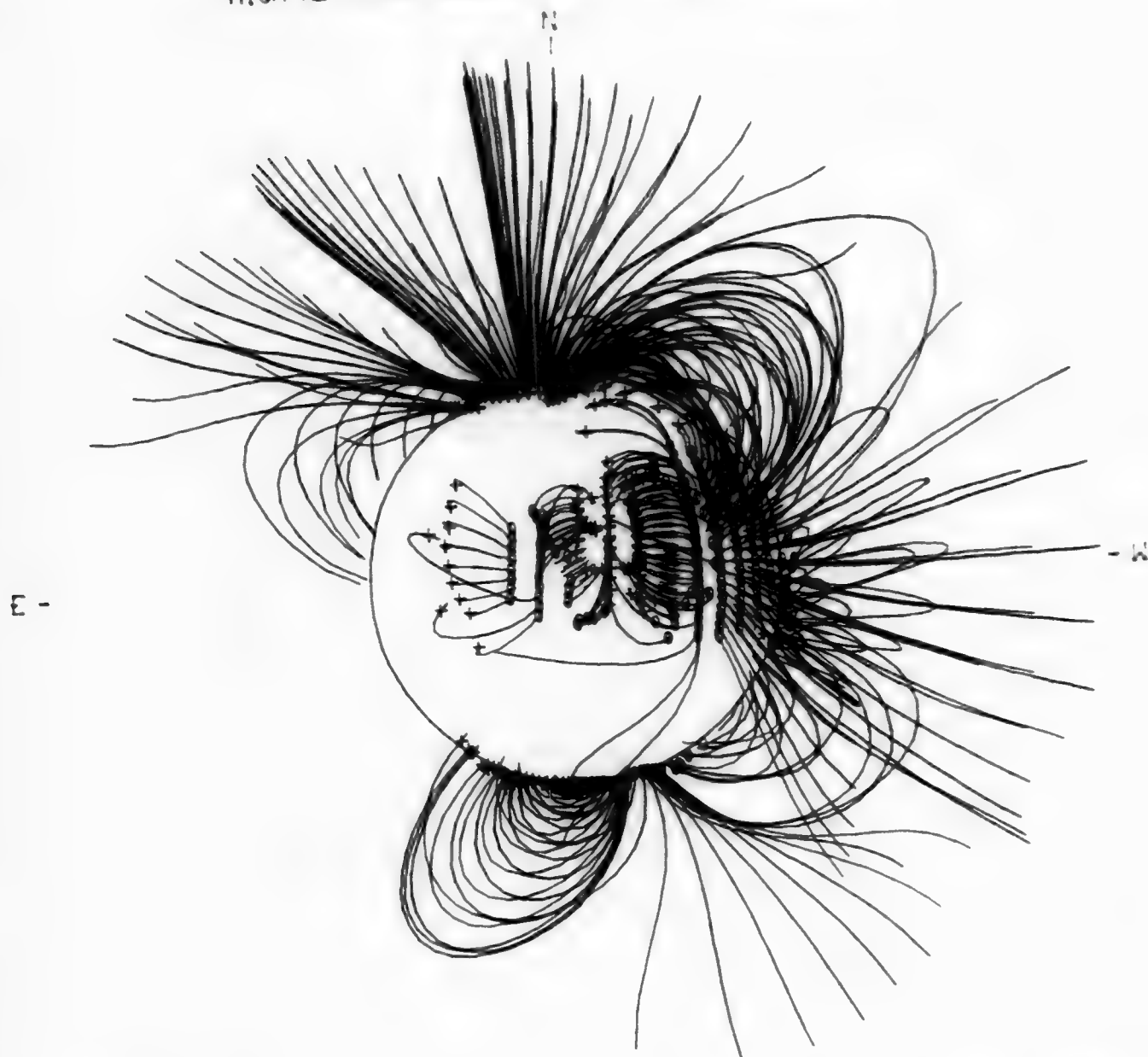
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

RUT. 148° 2016.200°
31.5 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

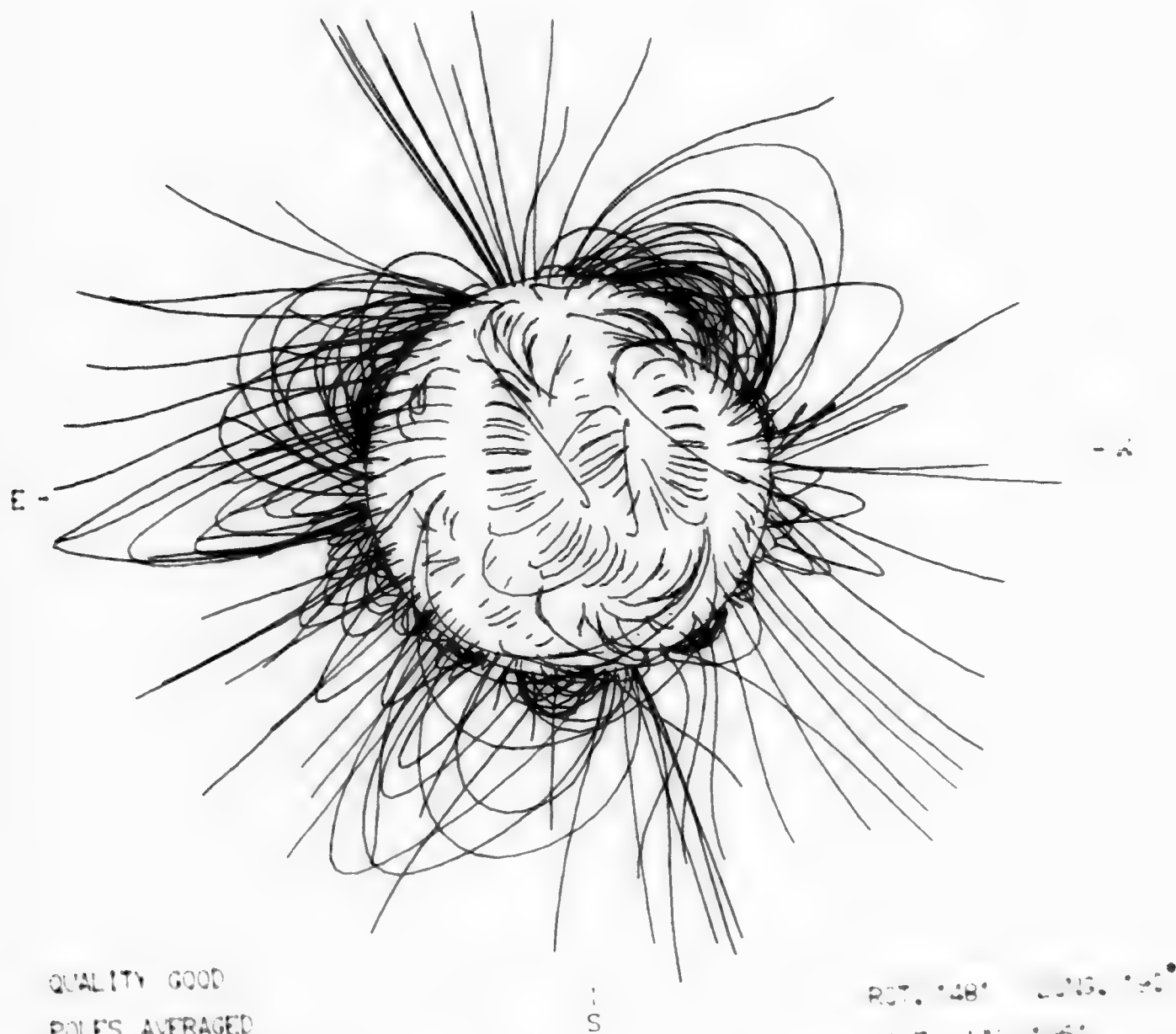


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1481.00

S

ROT. 1481 LONG. 200°
 31.5 MAY 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



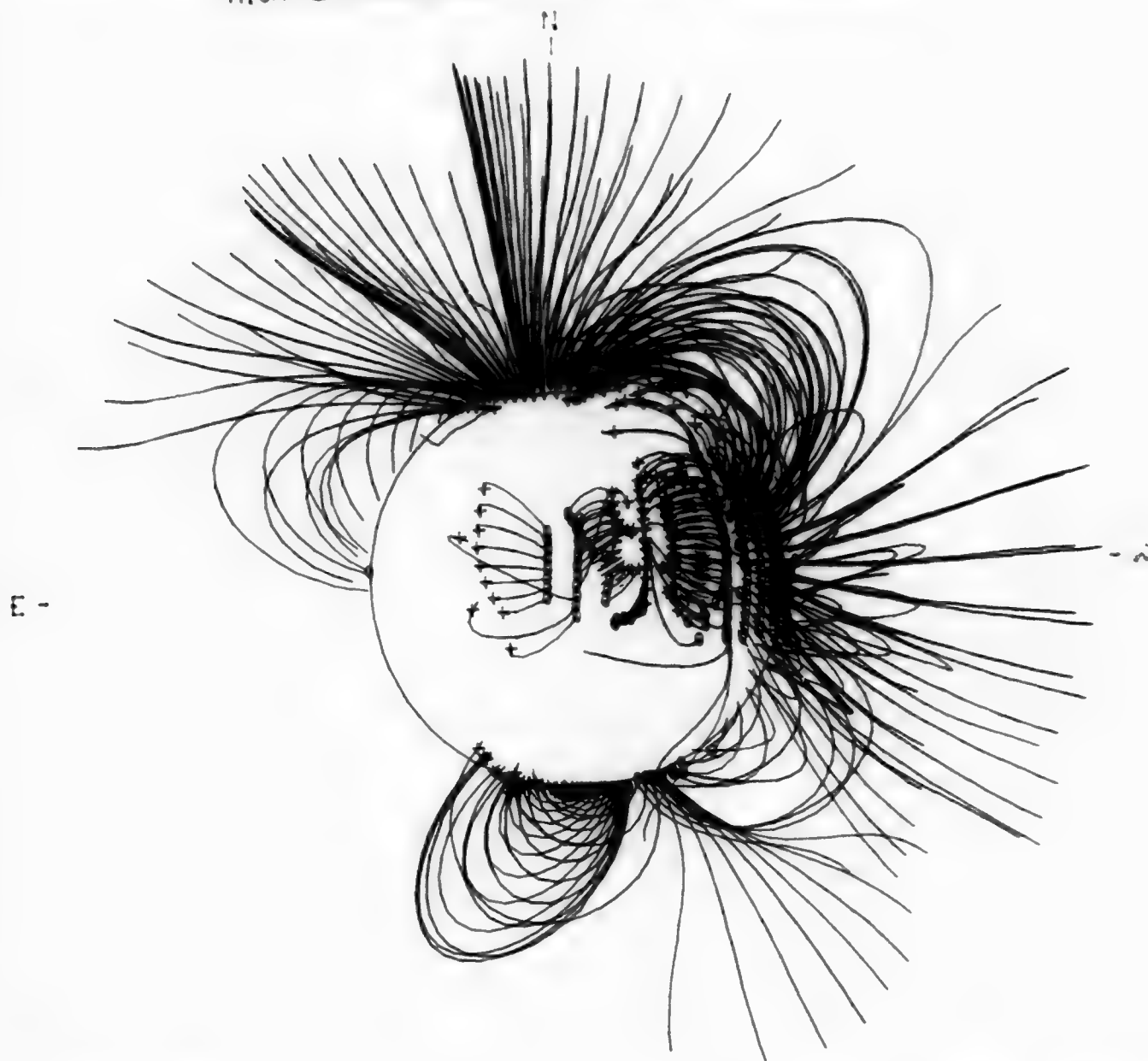
QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1481.00

RET. 1481 LONG. 1481
1.3 1481 1481

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

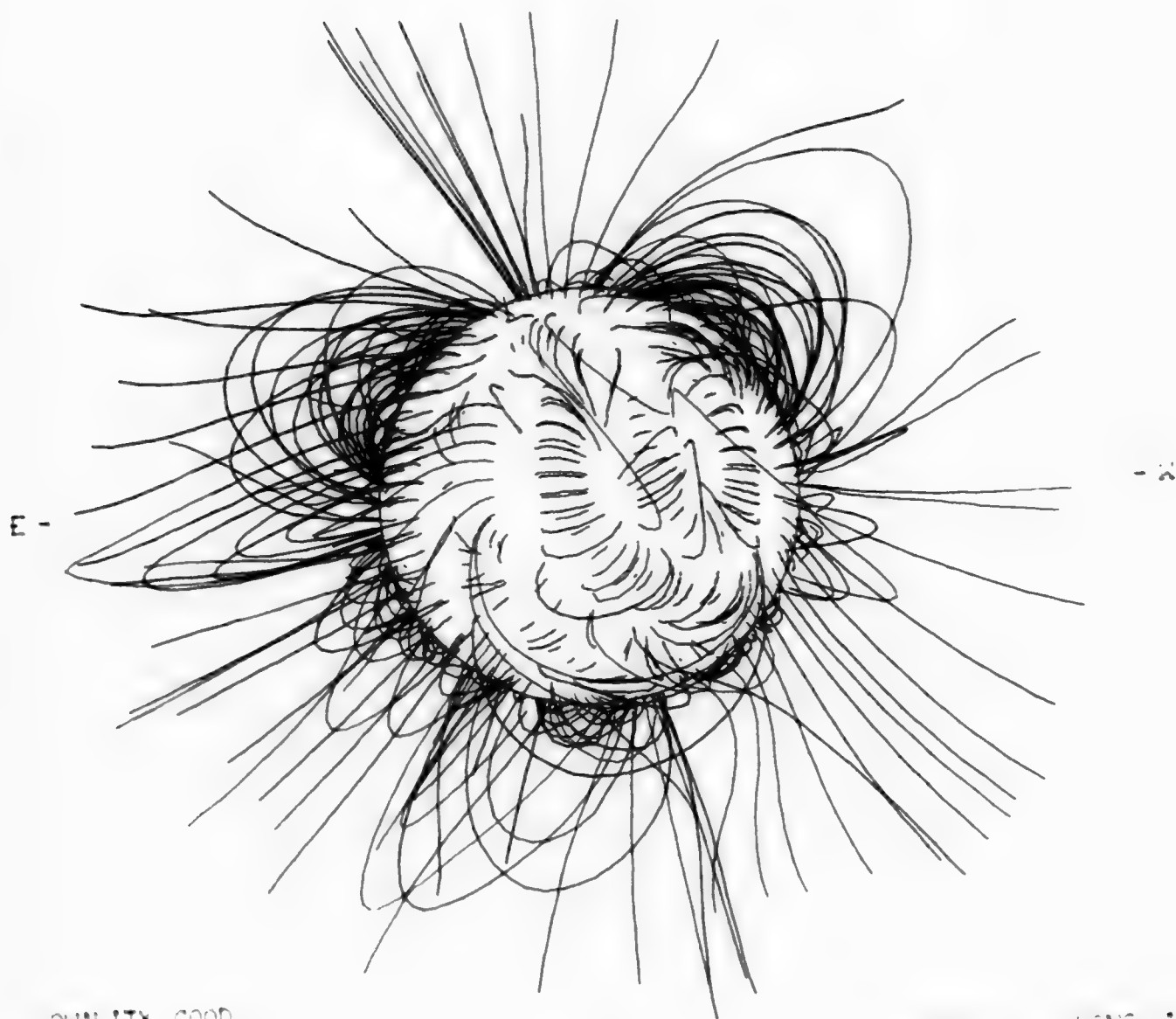


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

S

RCT. 1481 2015. 190°
1.3 JUL 1964

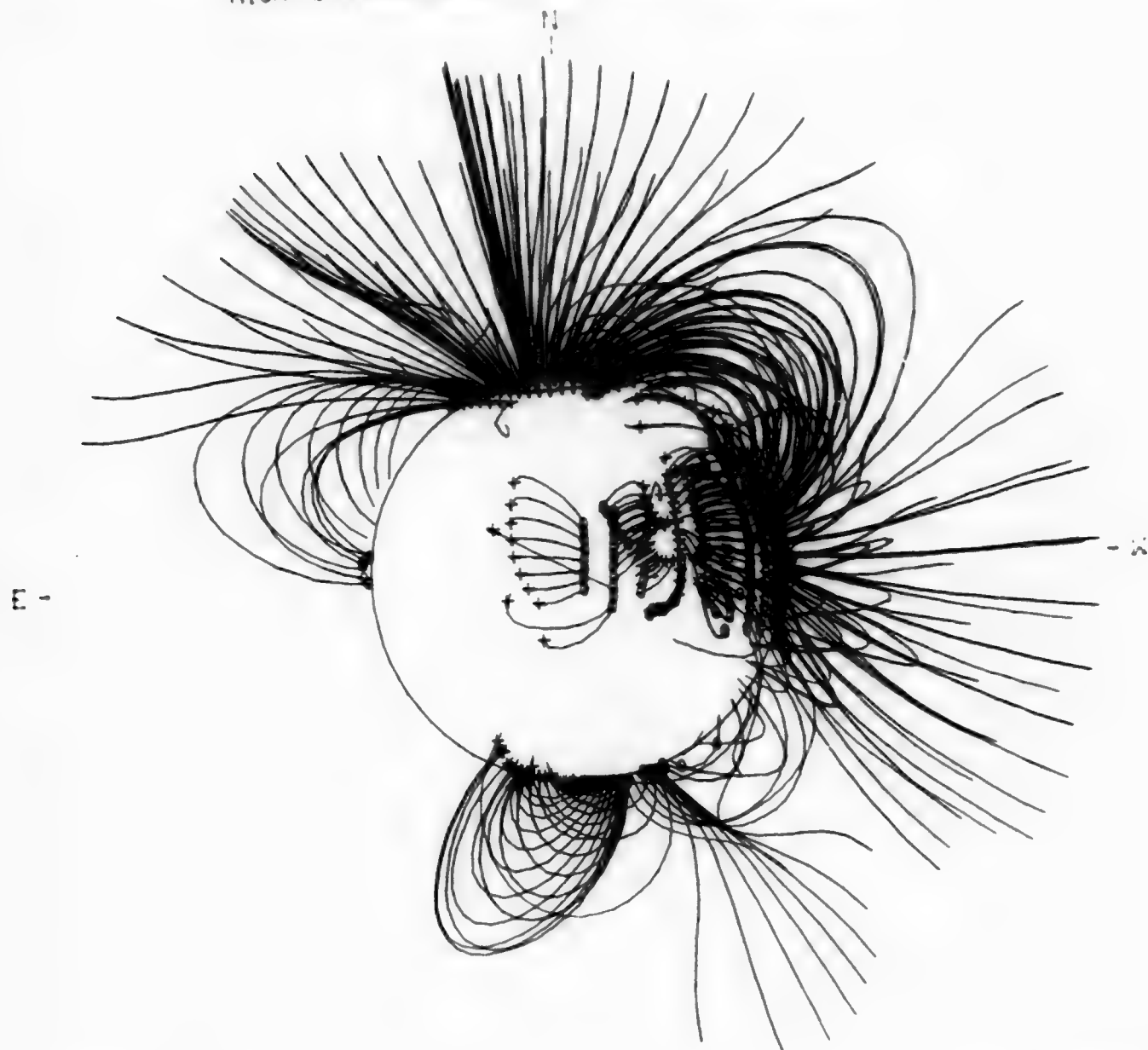
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

RECT. 1481 LONG. 181°
2.0 JUN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

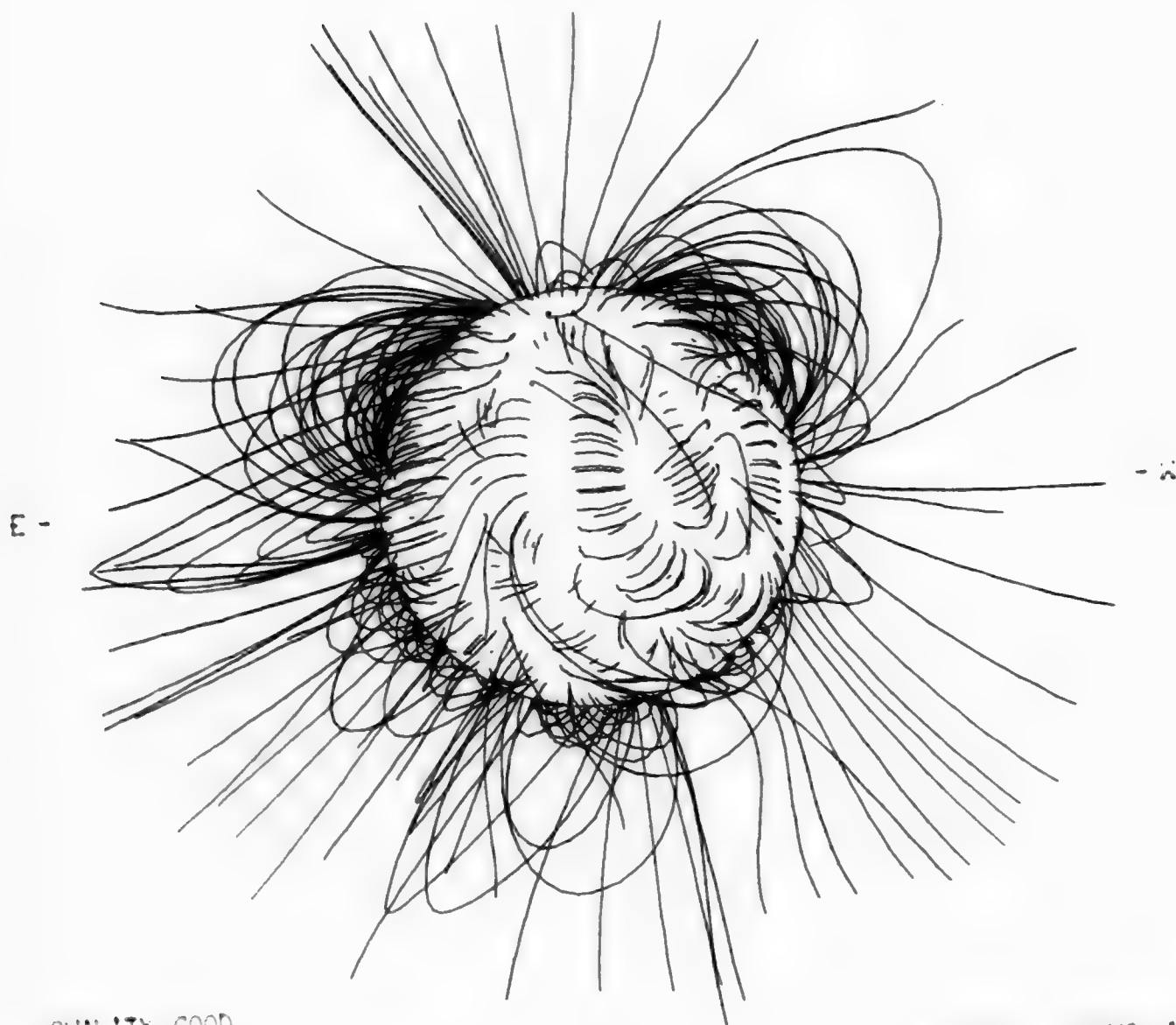


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

1
S

ROT. 1481 LONG. 181°
2.0 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

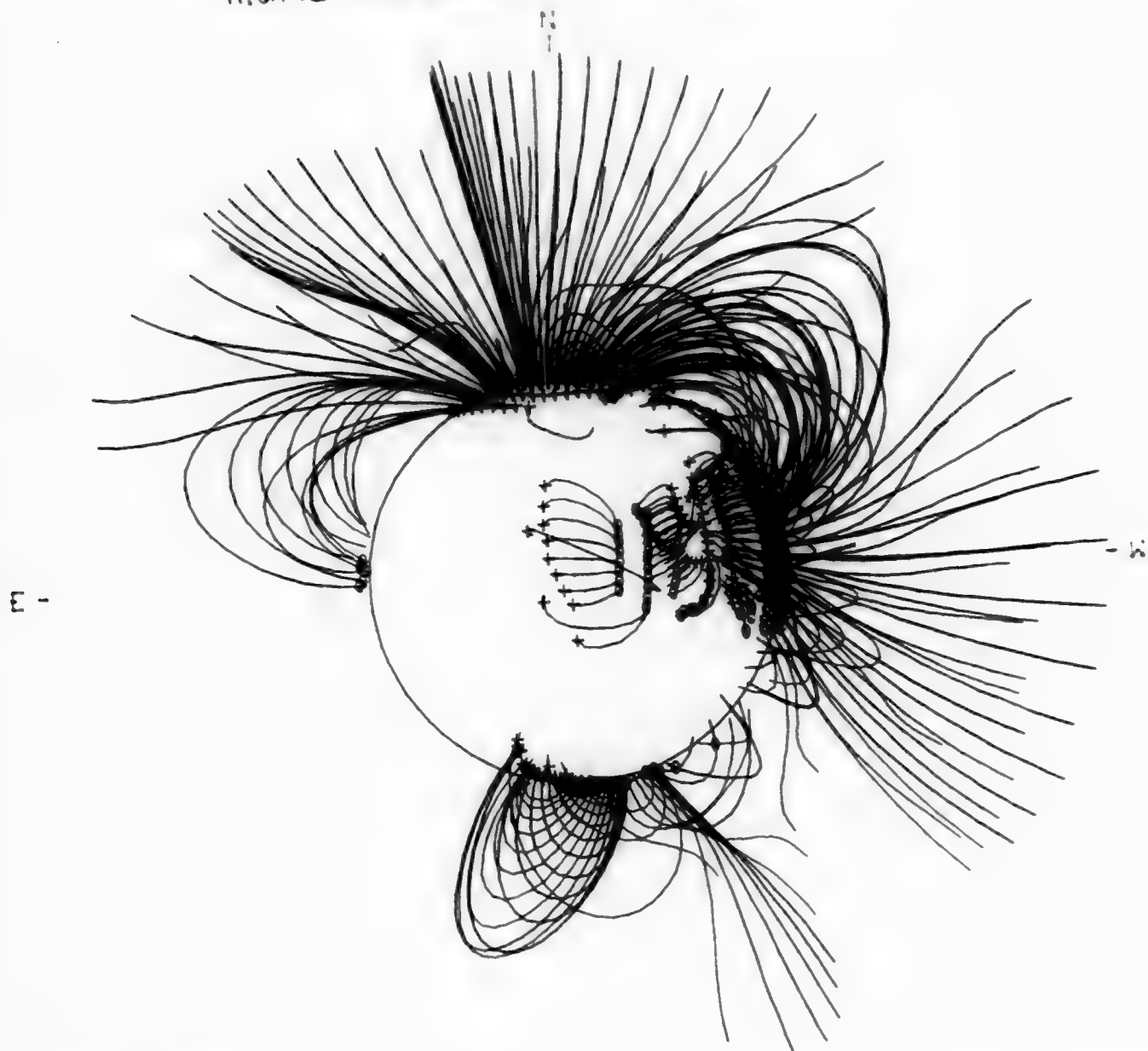


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

S

ROT. 1481 2013. 177°
2.8 33: 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

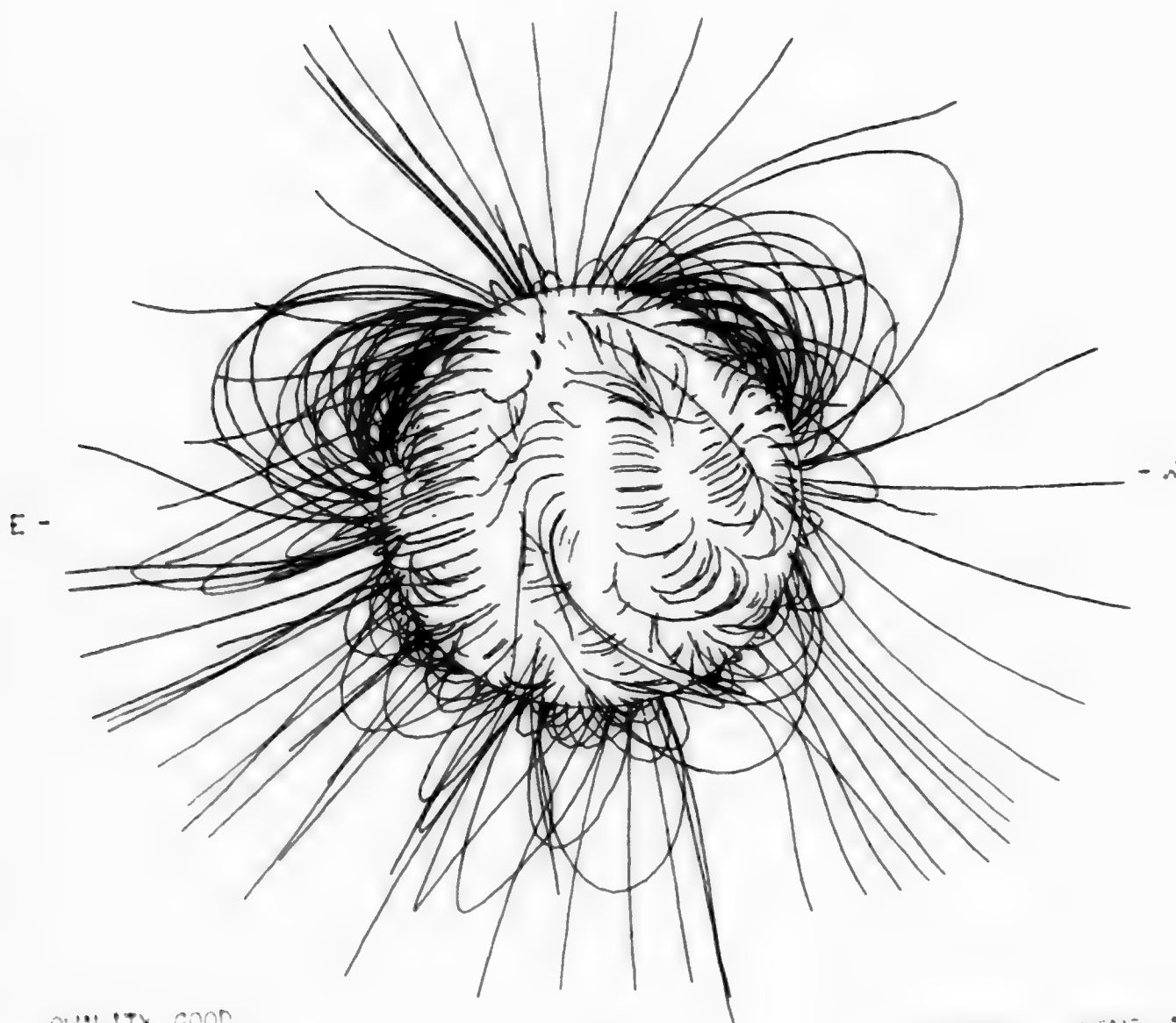


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

1
S

ROT. 148° LONG. 170°
2.8 JUN 1964

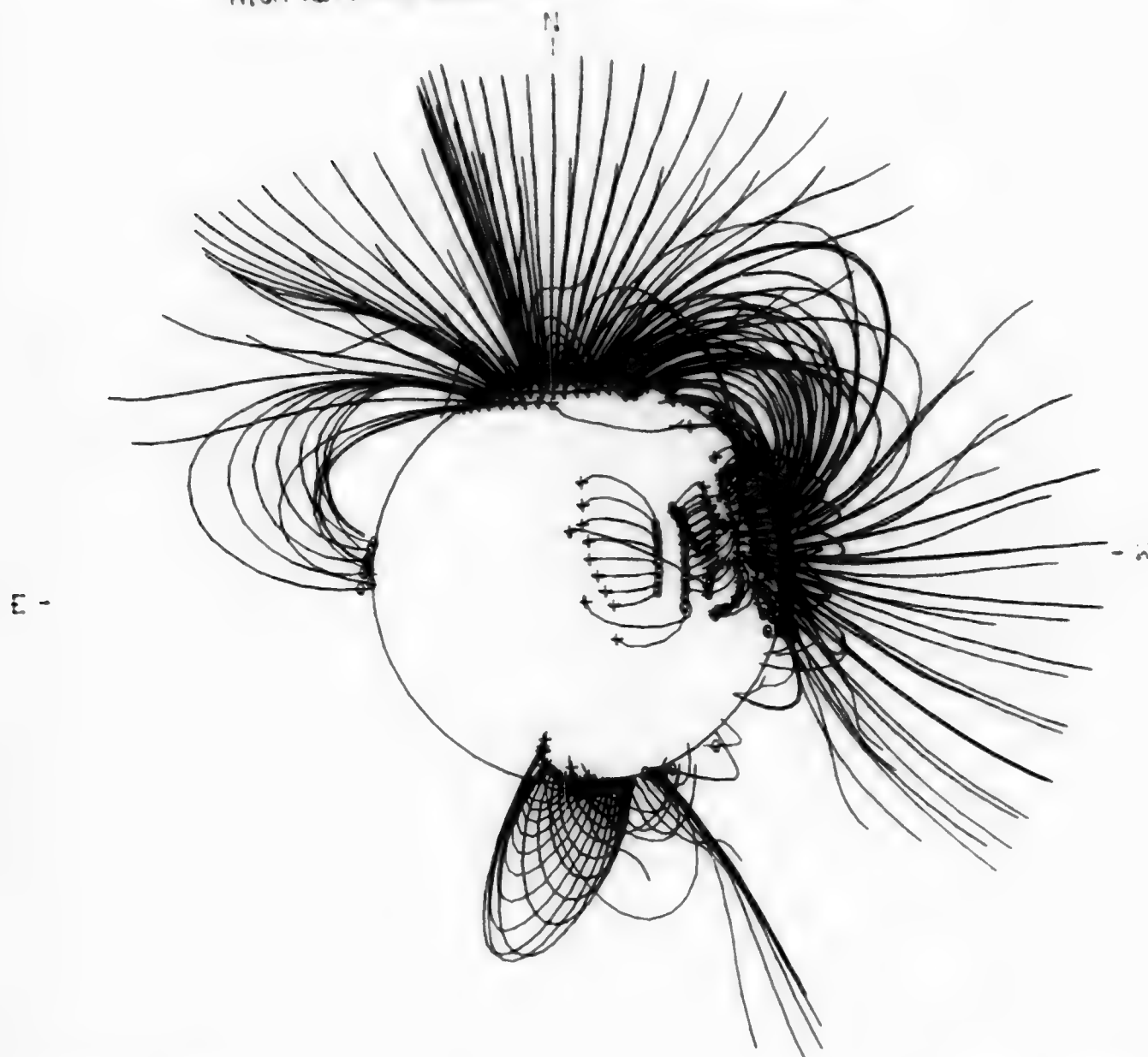
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

R. 7. 148° LONG. 140°
3.5 JUN 1964

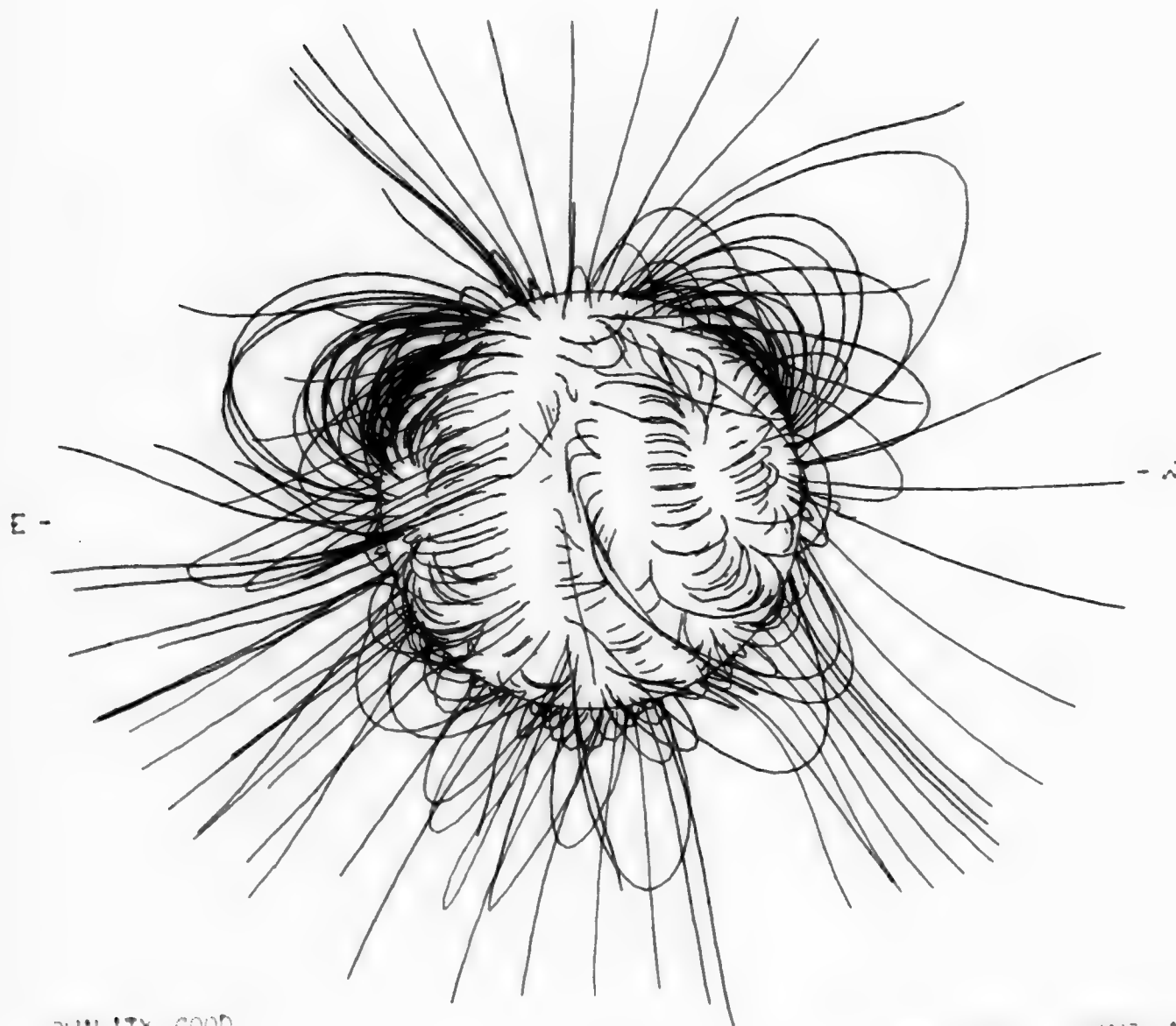
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

ROT. 1481 LONG. 1481
3.5 JUL 1962

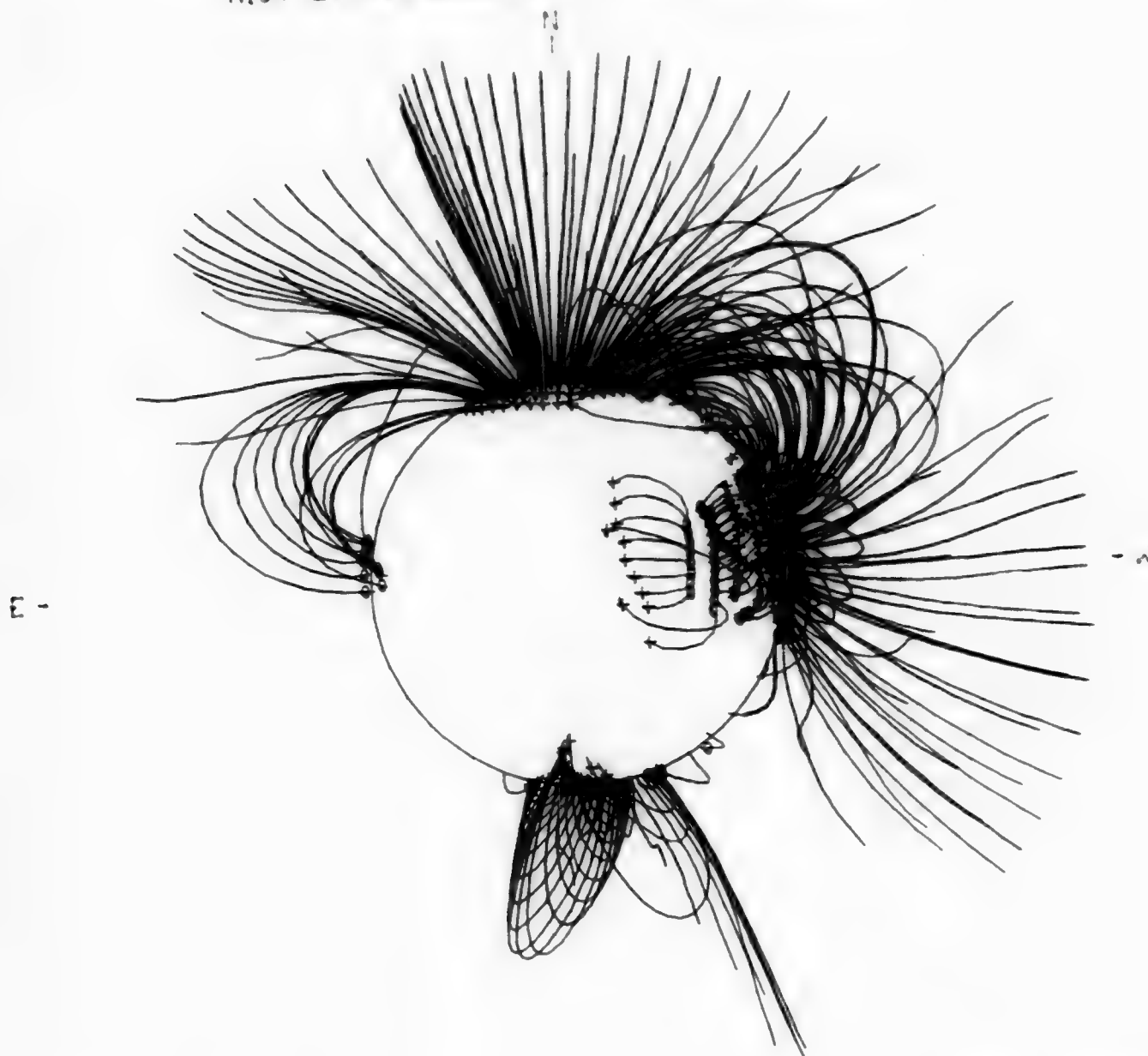
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.481.00

RUT. 1.481 1215. '50"
4.3 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

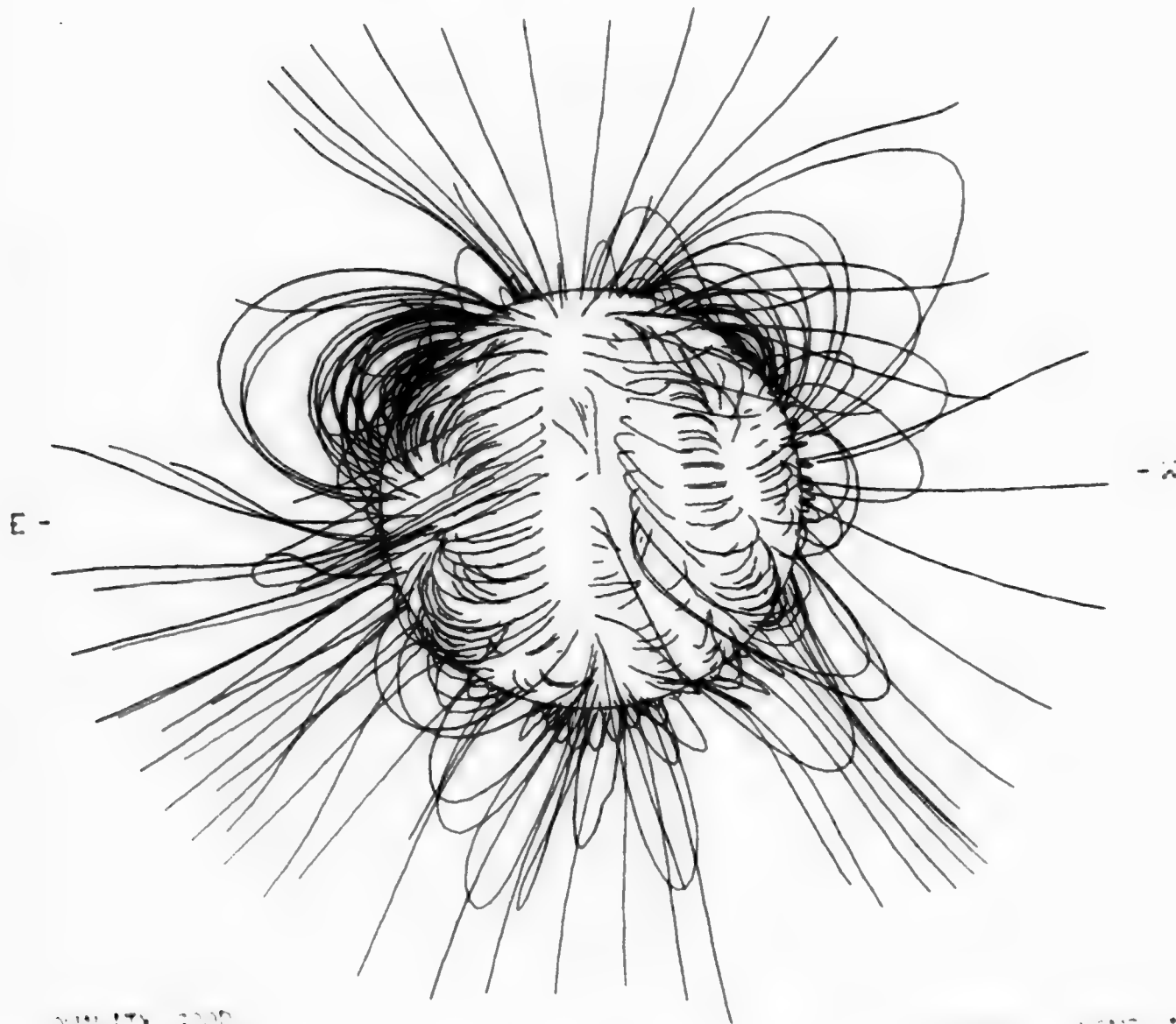


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

S

RCT. 1481' LONG. 151'
4.5 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

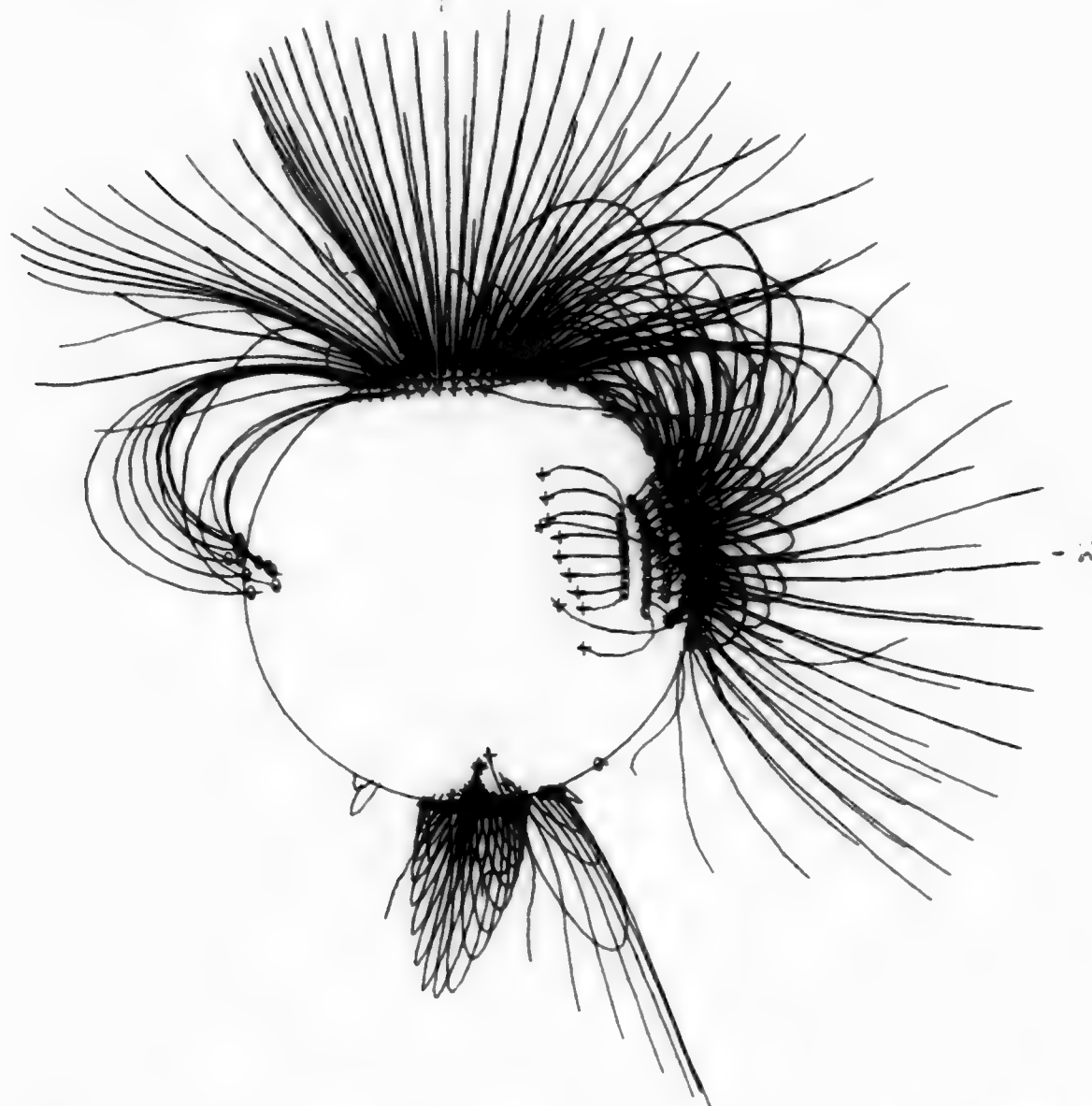


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

ROT. 1481 LONG. 141°
5.0 101 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

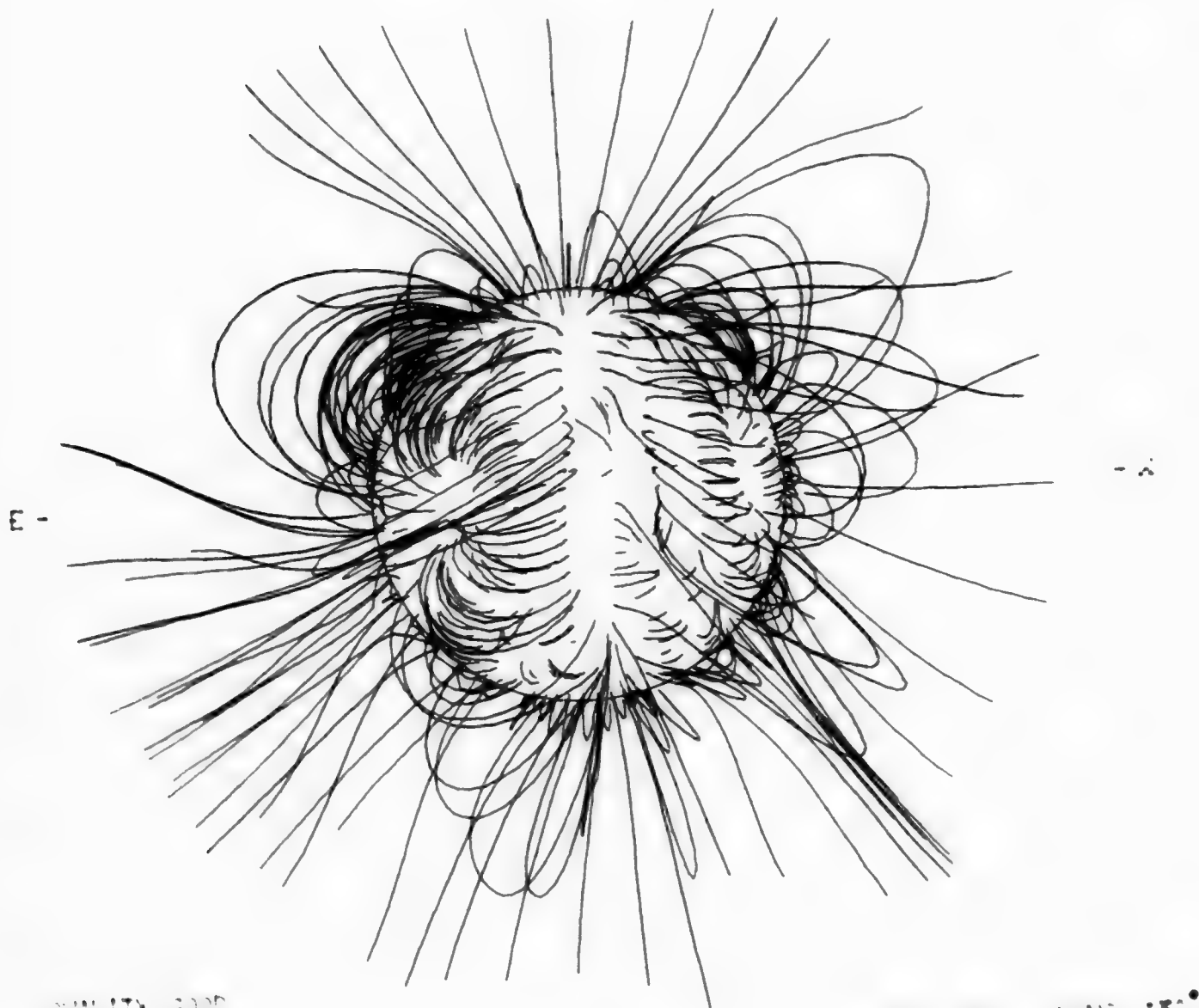


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

S

ROT. 1481 LONG. 141°
5.0 JPN 1962

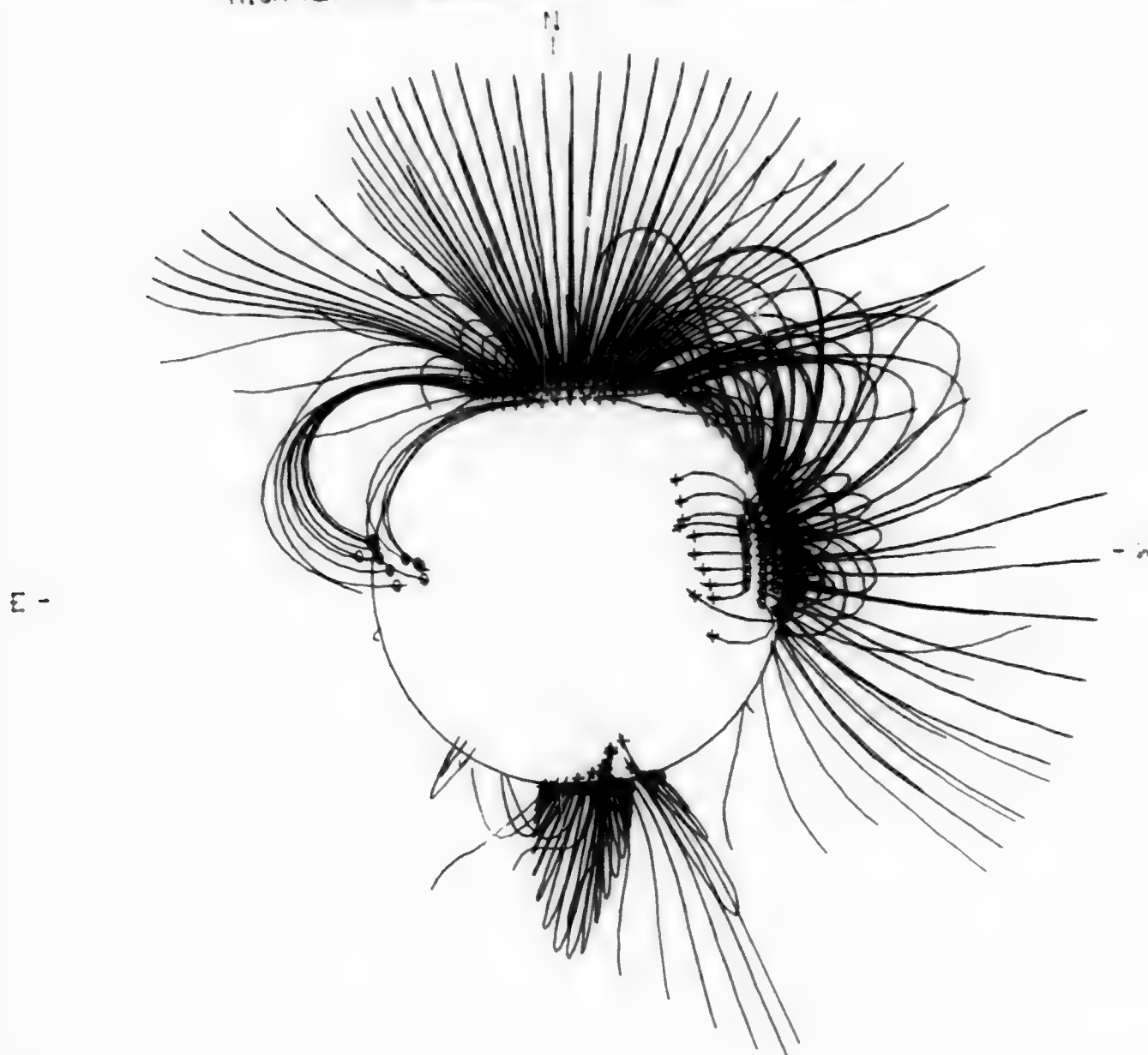
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

PGT. 1481 LUNG. 151
5.8 JUN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

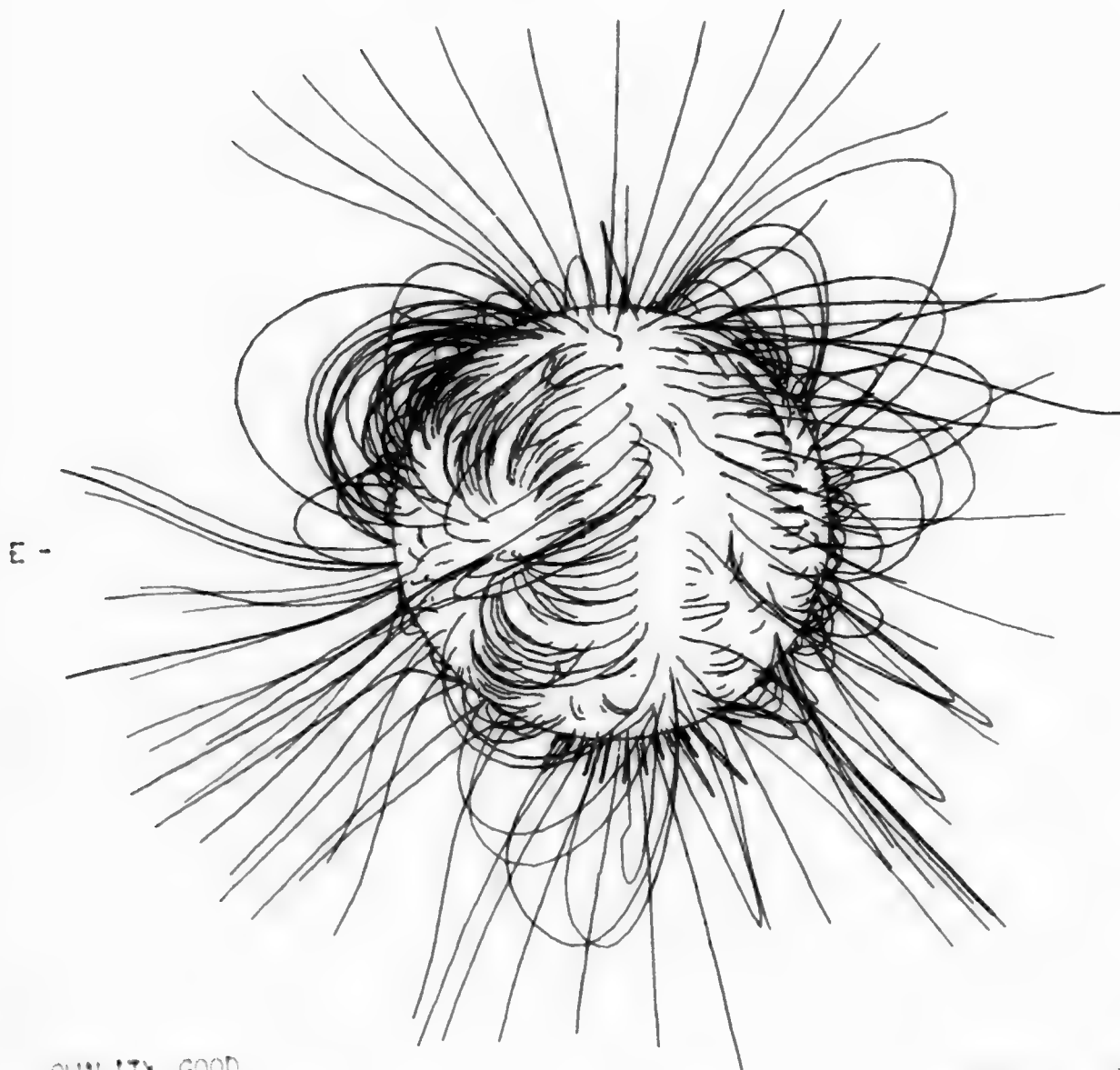


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

S

RCT. 148° LONG. 13°
5.8 JUN 1962

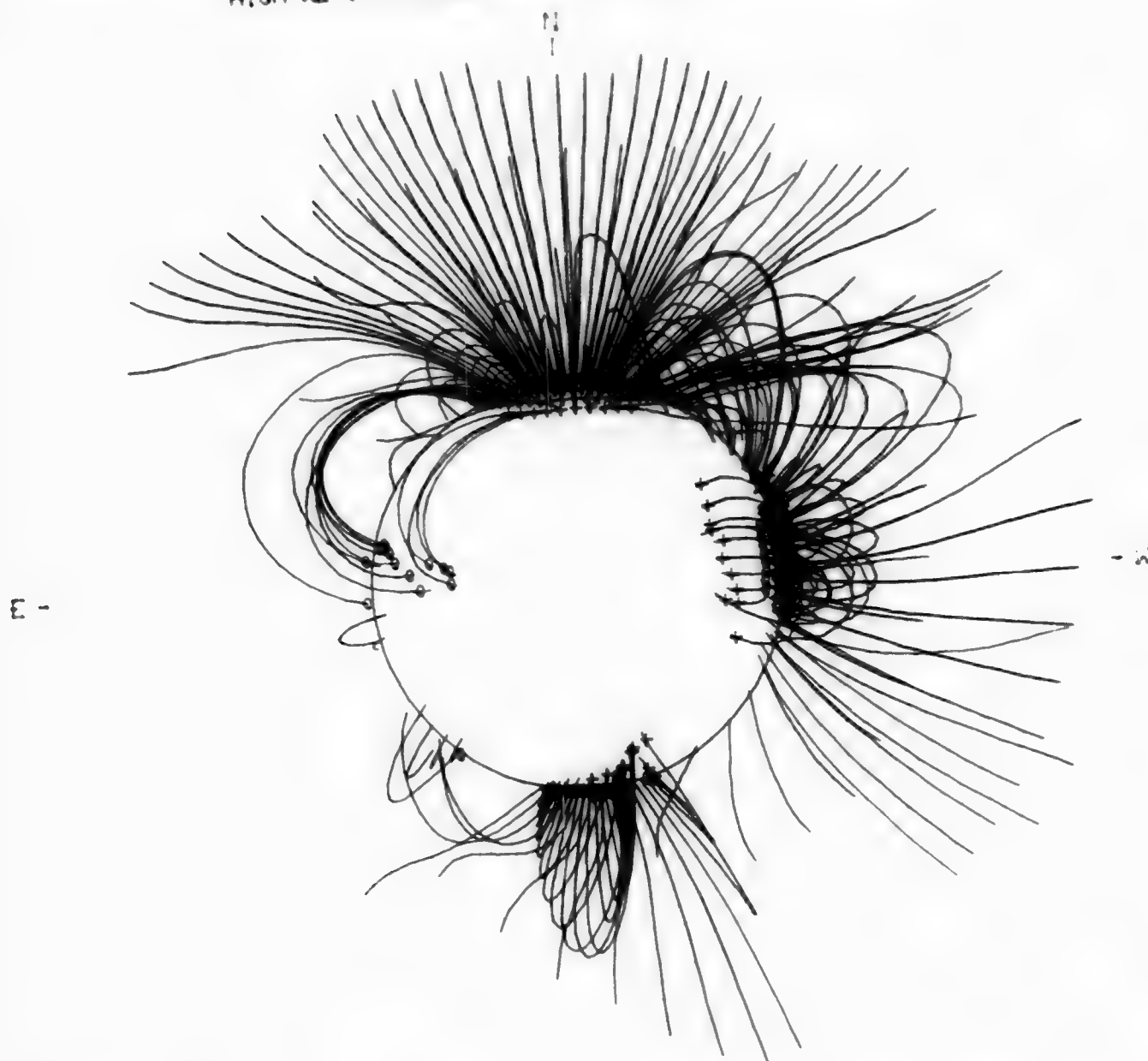
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.81.00

ROT. 1481 10/15. 121°
6.6 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

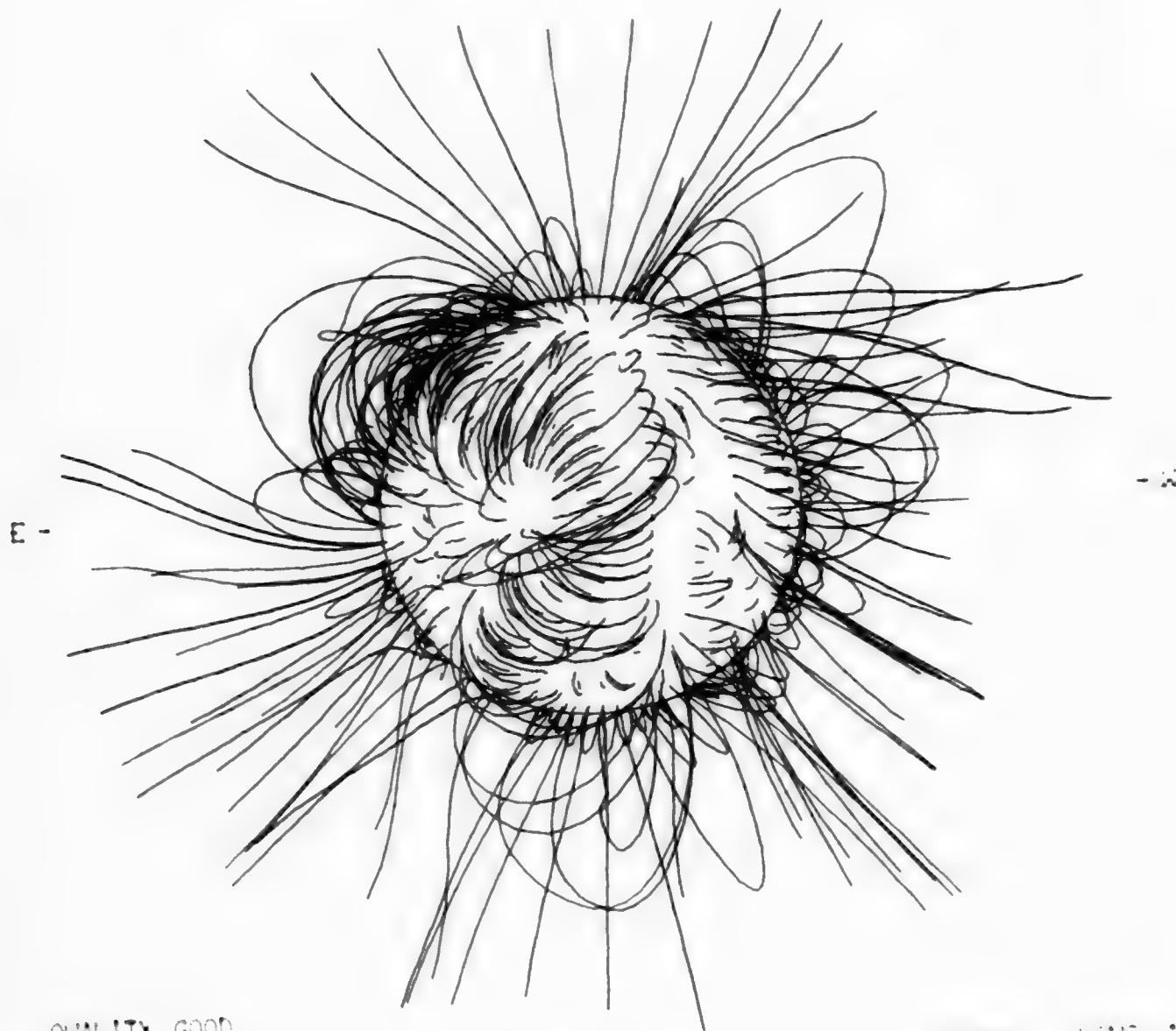


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

S

ROT. 128° LONG. 120°
6.6 JUN 1962

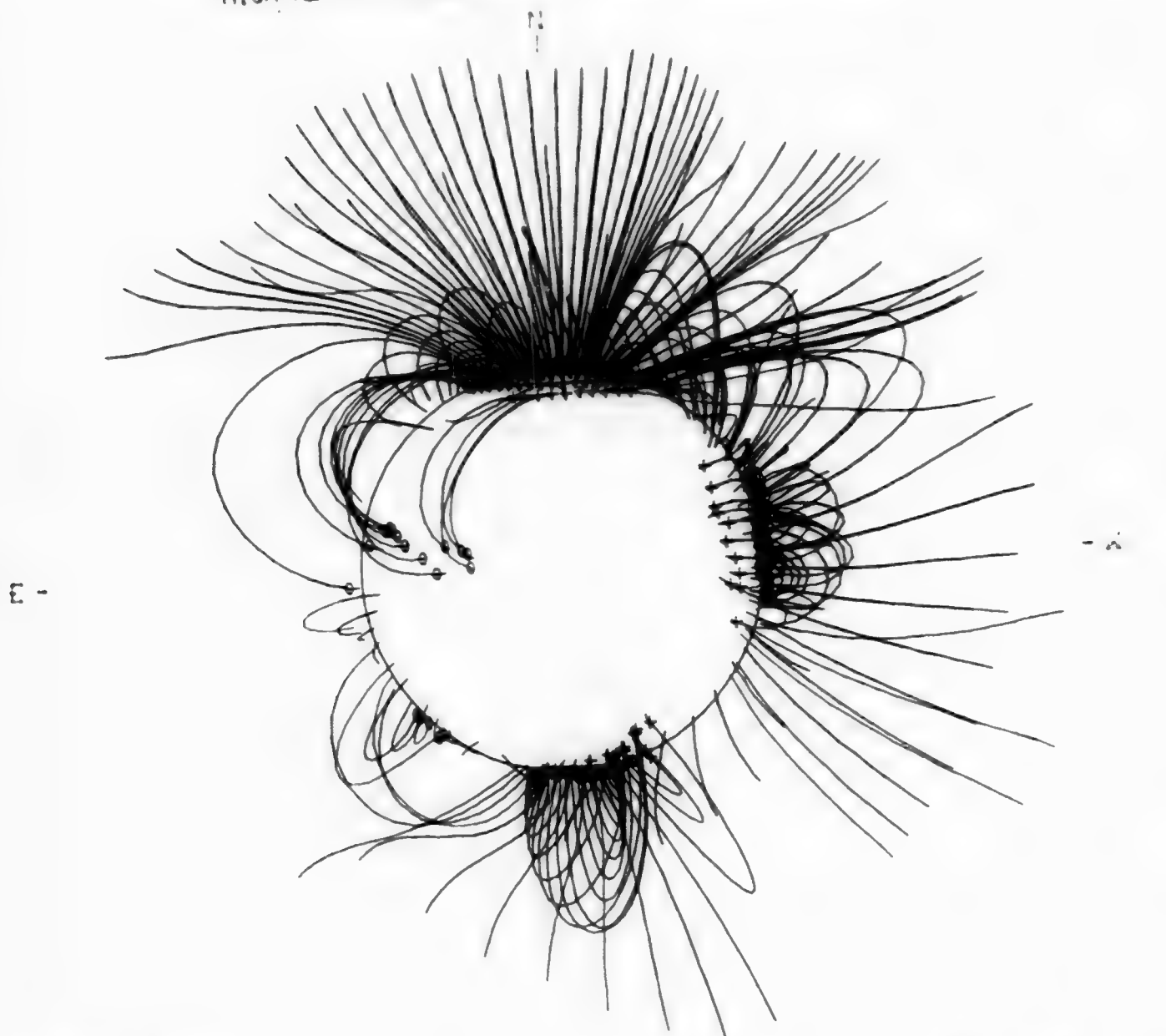
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.81.00

ROT. 148° LONG. 111°
7.5 JUN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

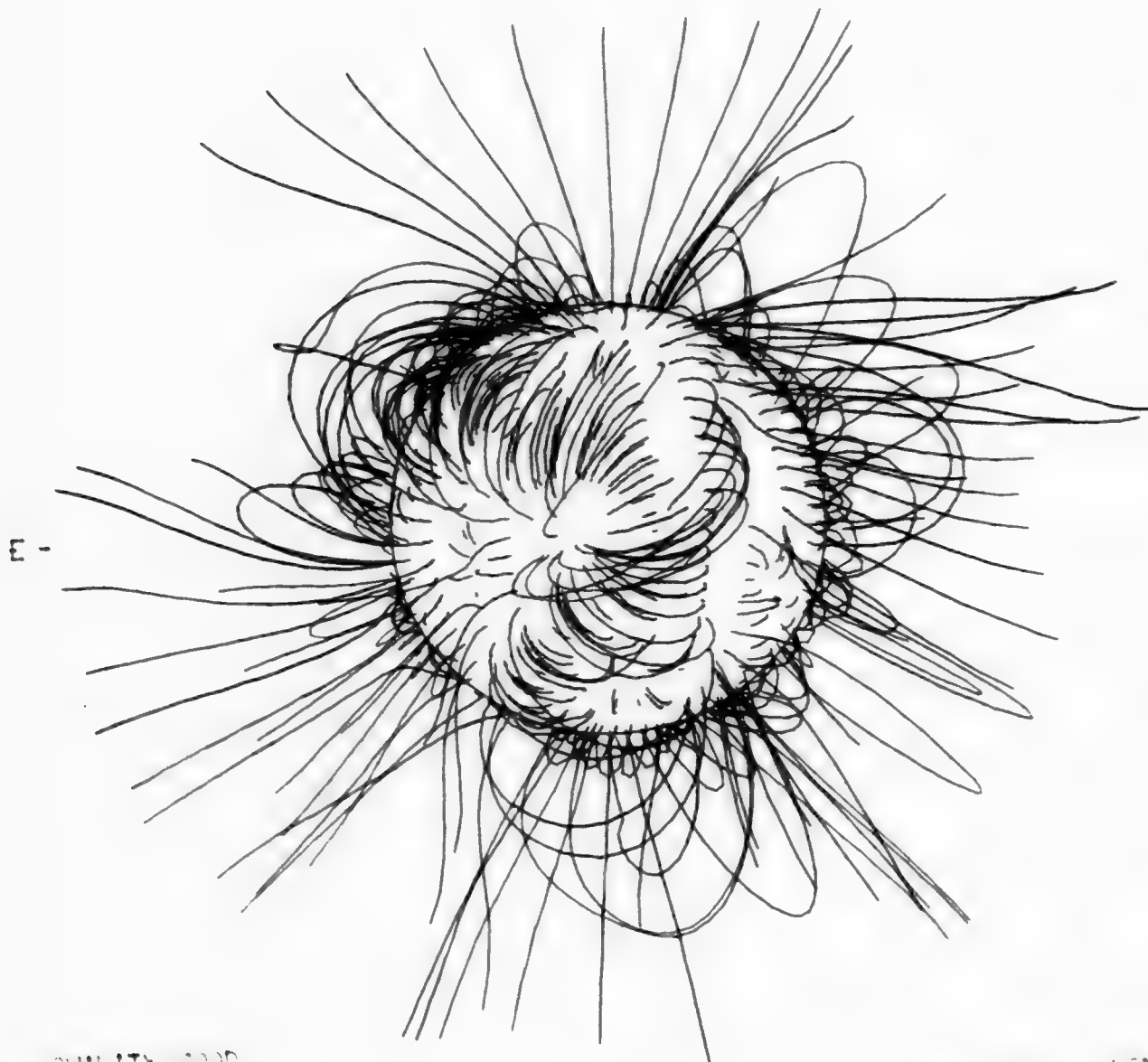


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

S

ROT. 1481 2045. 110°
7.3 JUN 1962

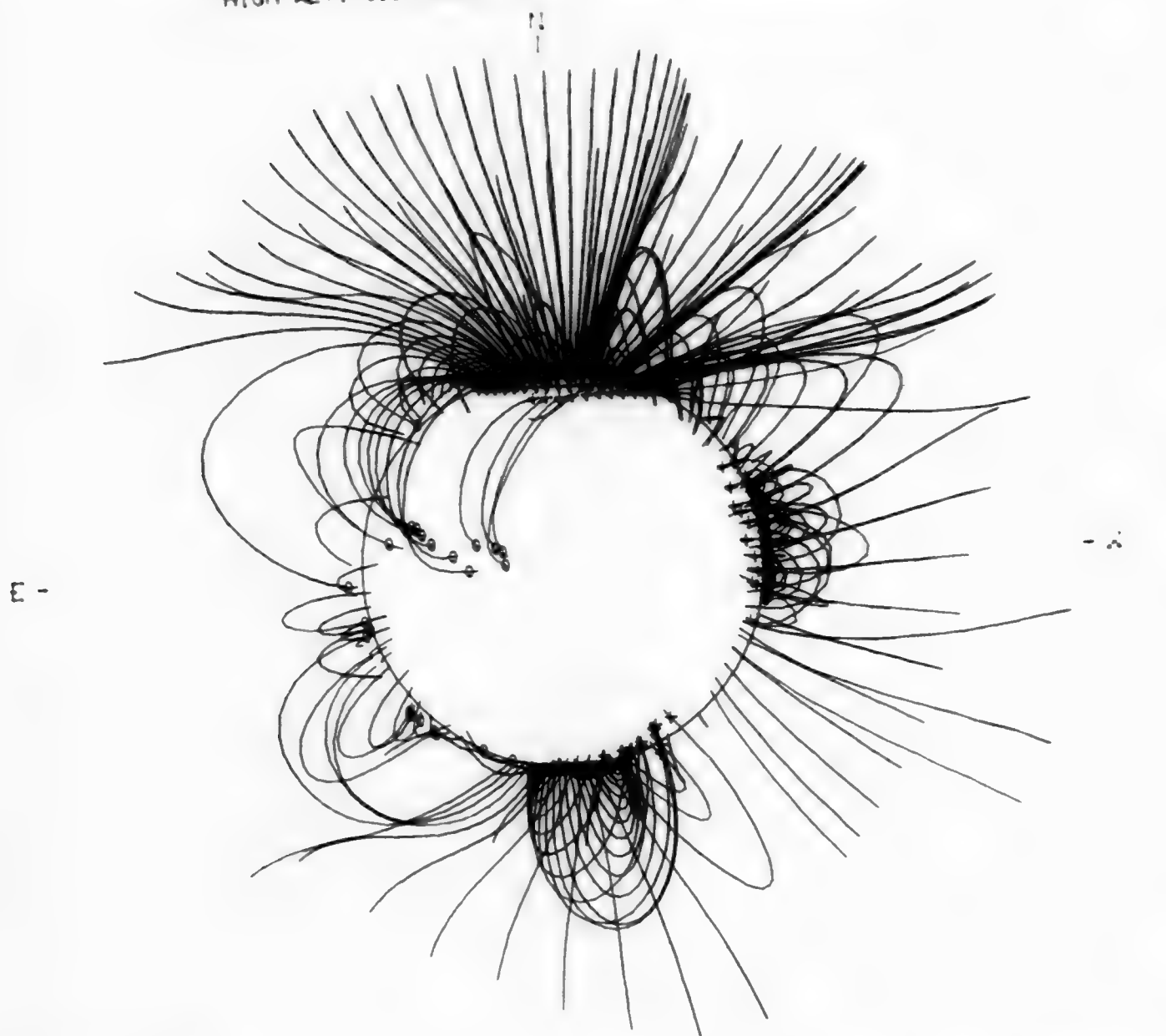
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

RG7. 1481 1015. 100°
8.1 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

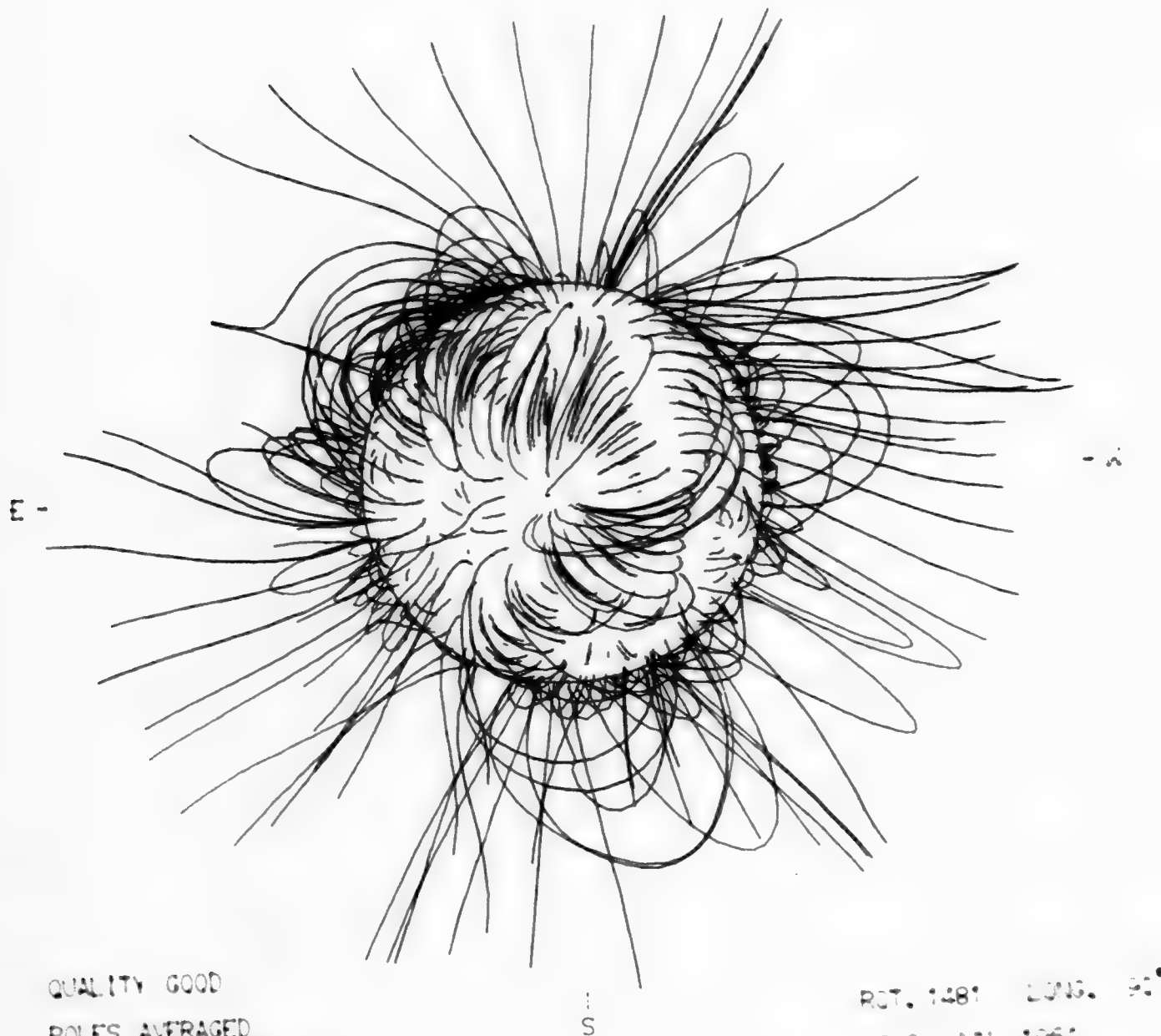


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

S

ROT. 1481 LONG. 100°
8.1 JUN 1964

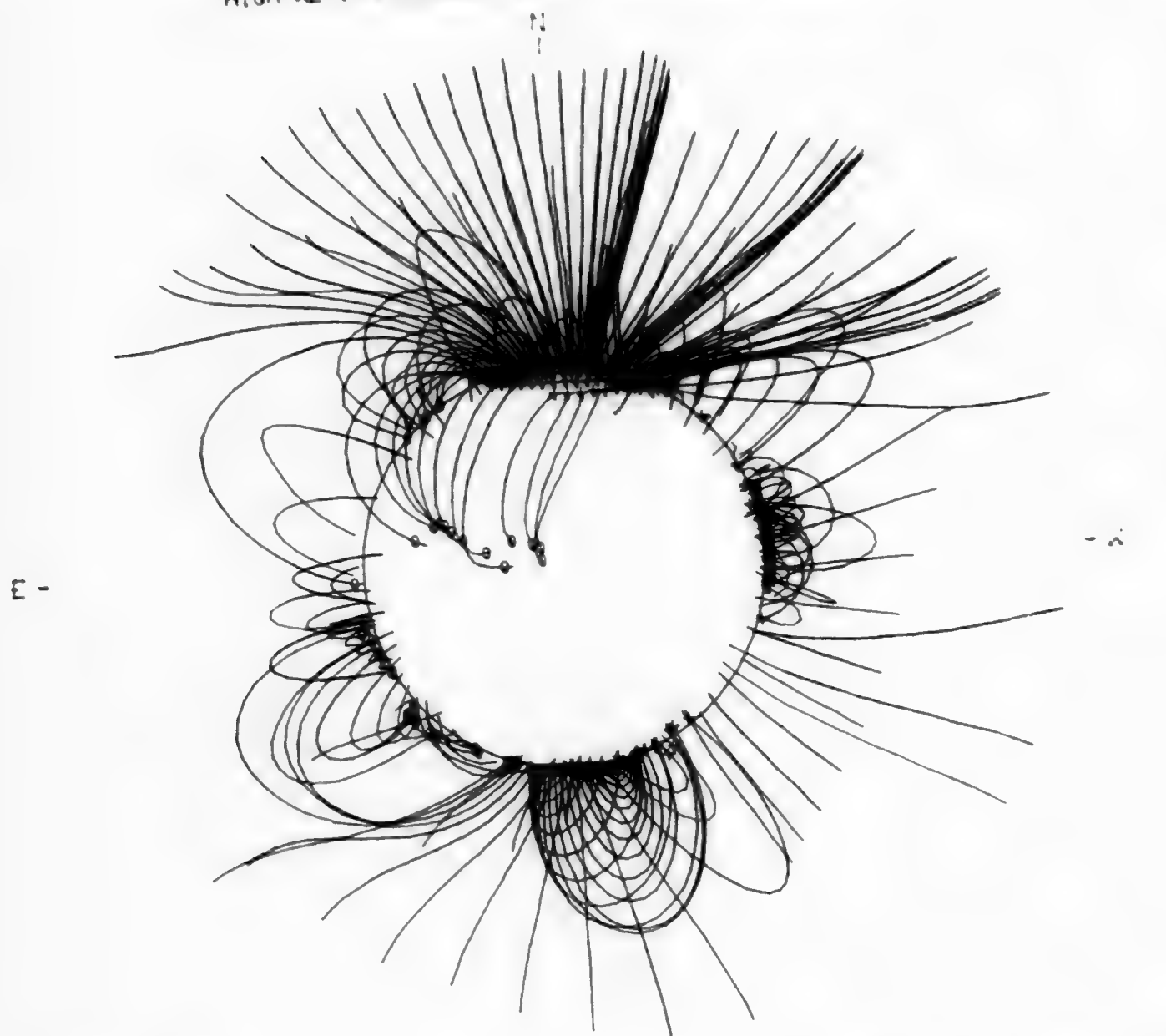
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.00

ROT. 1481 LONG. 91°
8.8 JUN 1964

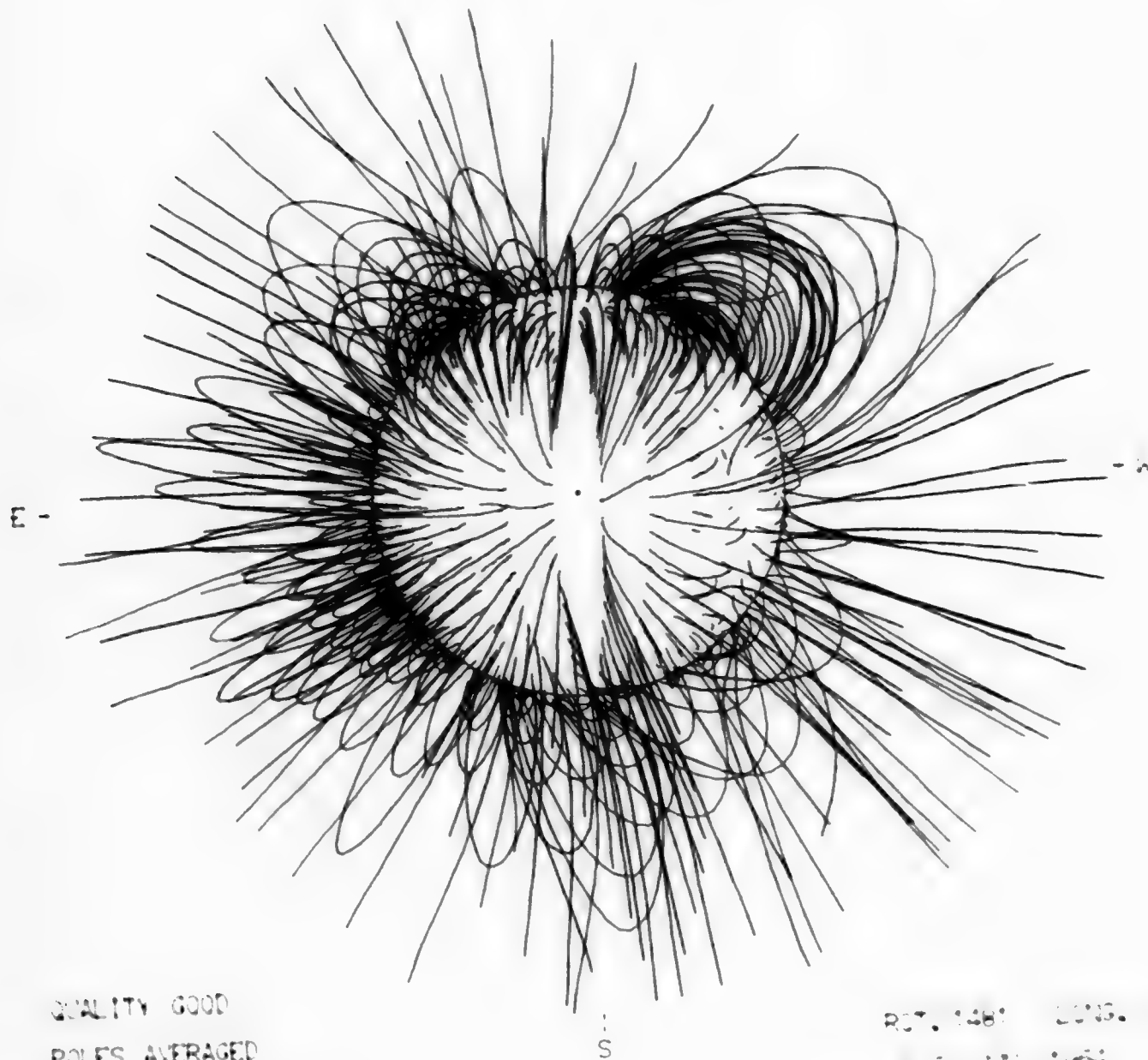
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1481.00

ROT. 1481 LING. 50°
 8.8 JUN 1964

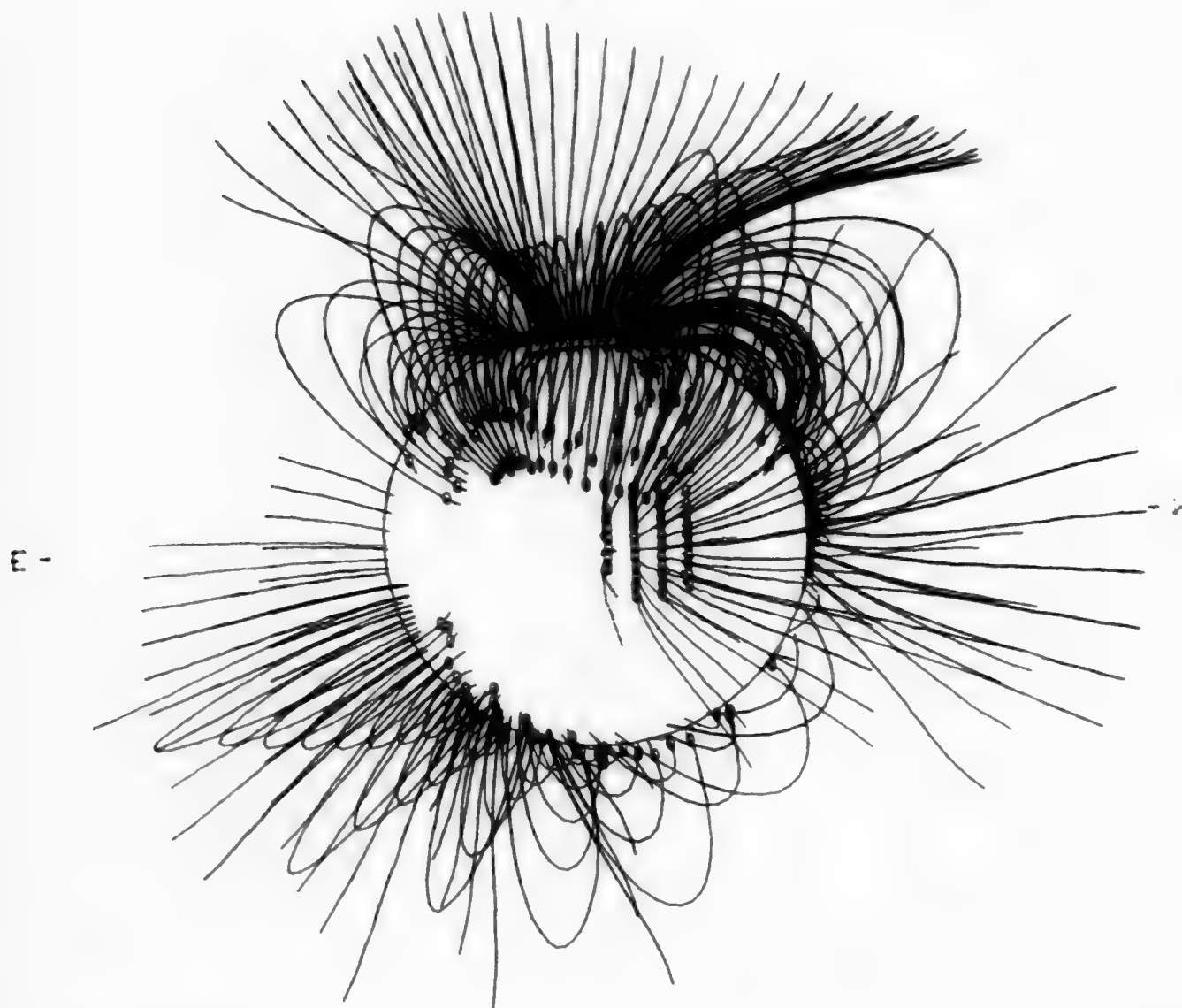
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1481 LONG. 81°
3.5 171 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

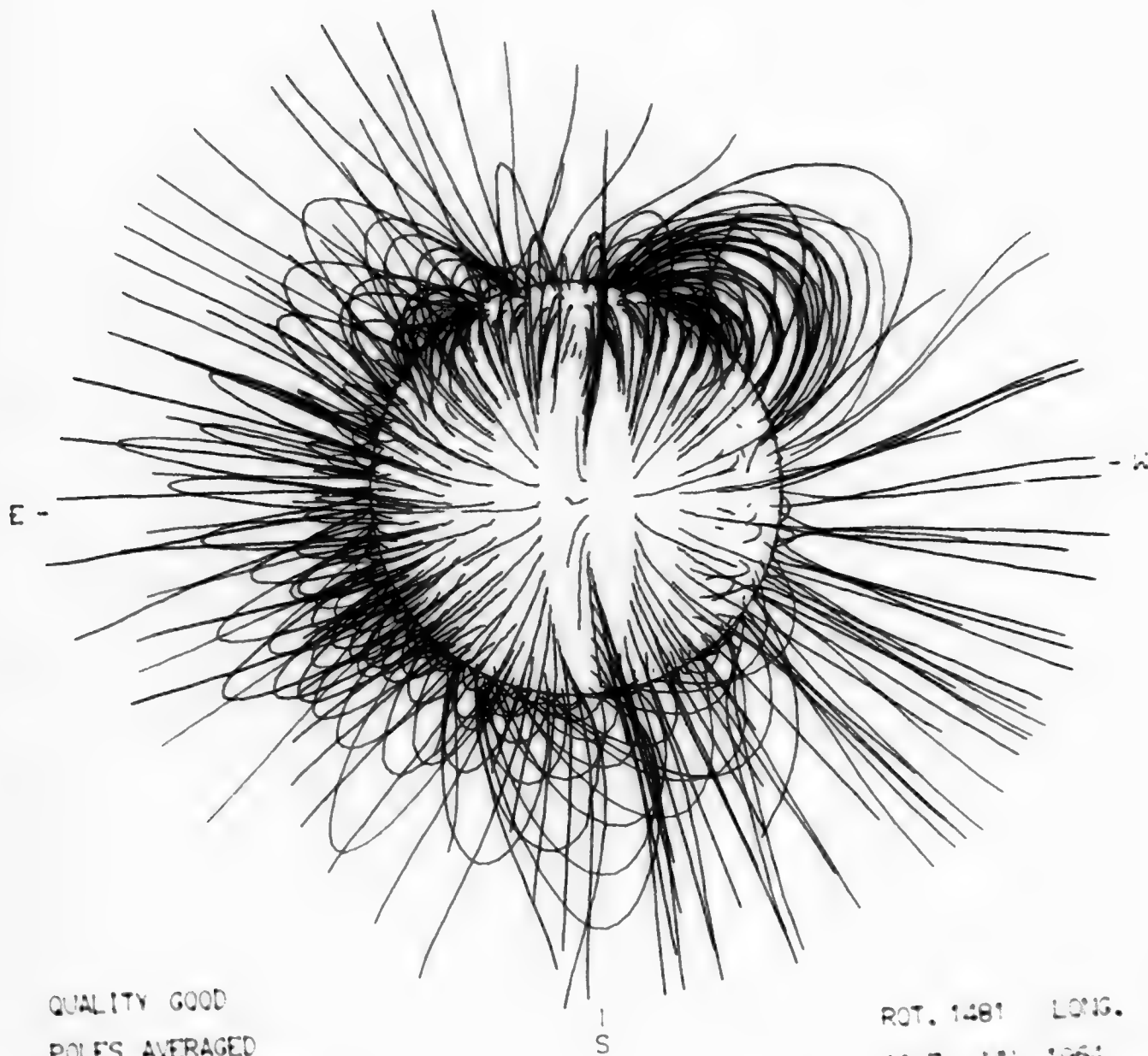


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.481.42

1
S

ROT. 1.481 LONG. 60°
9.6 JUN 1964

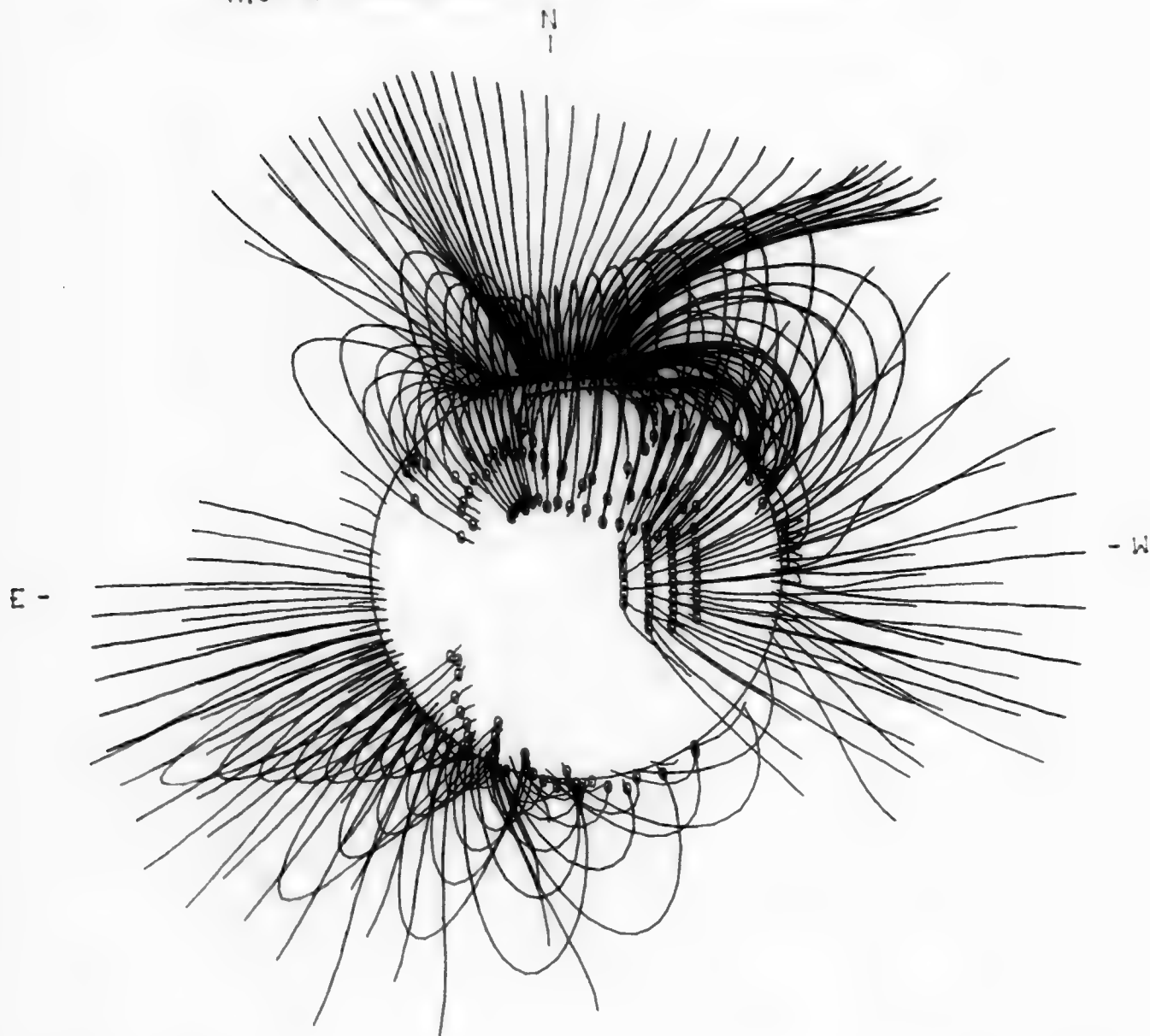
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1481 LONG. 70°
10.3 JUN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

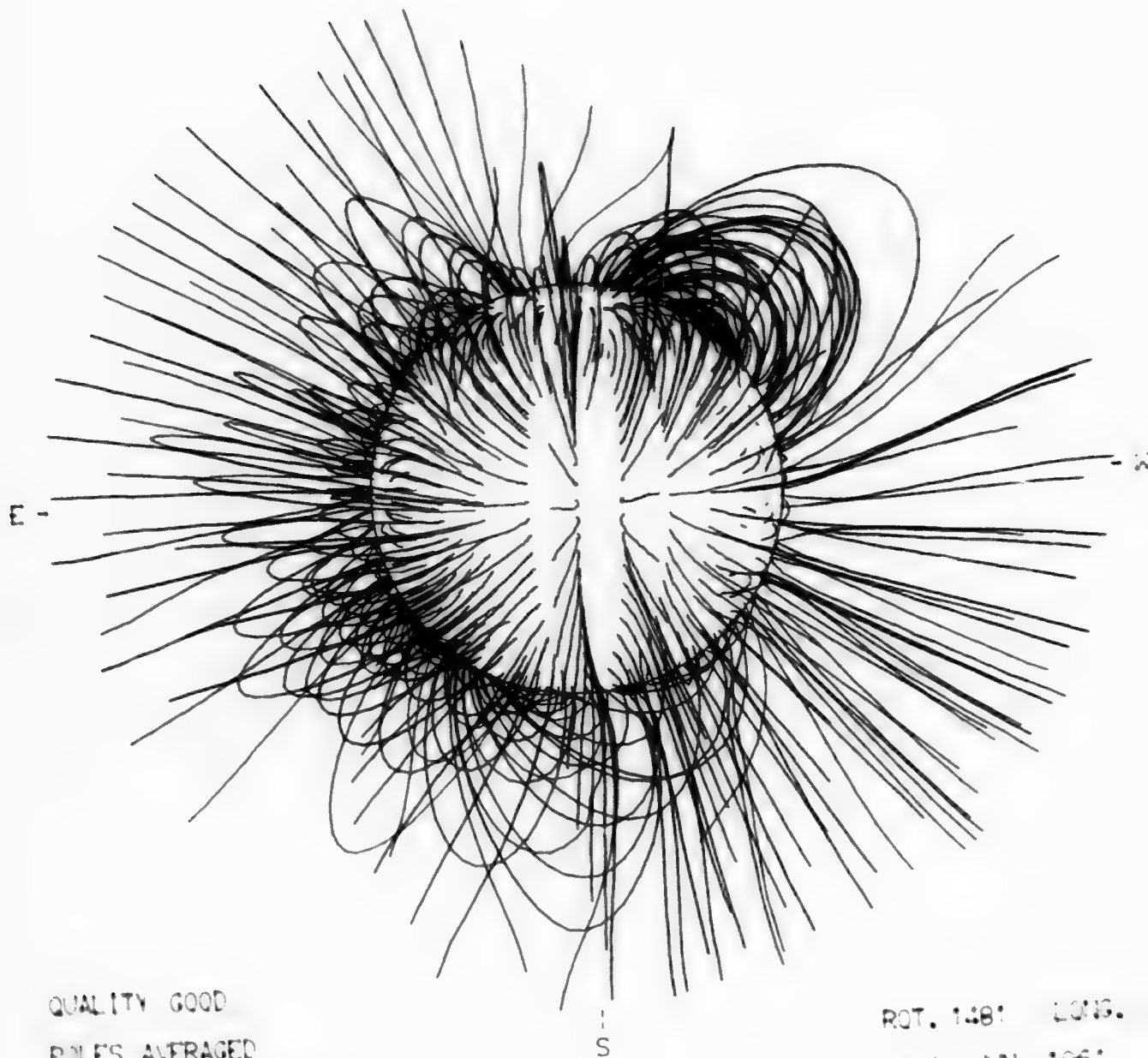


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

1
S

ROT. 1481 LONG. 70°
10.3 JUL 1962

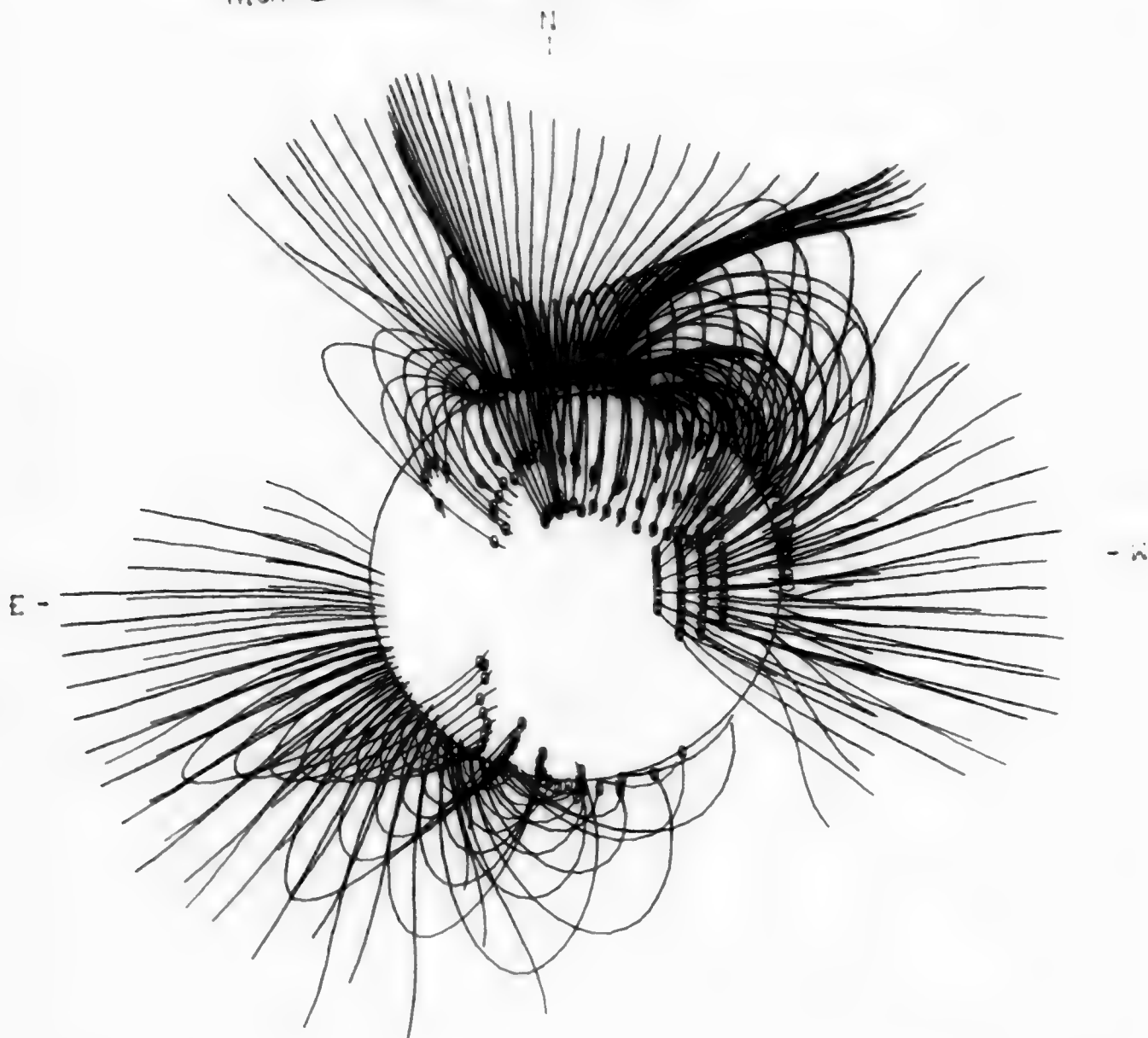
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1481 LONG. 50°
11.1 JUN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

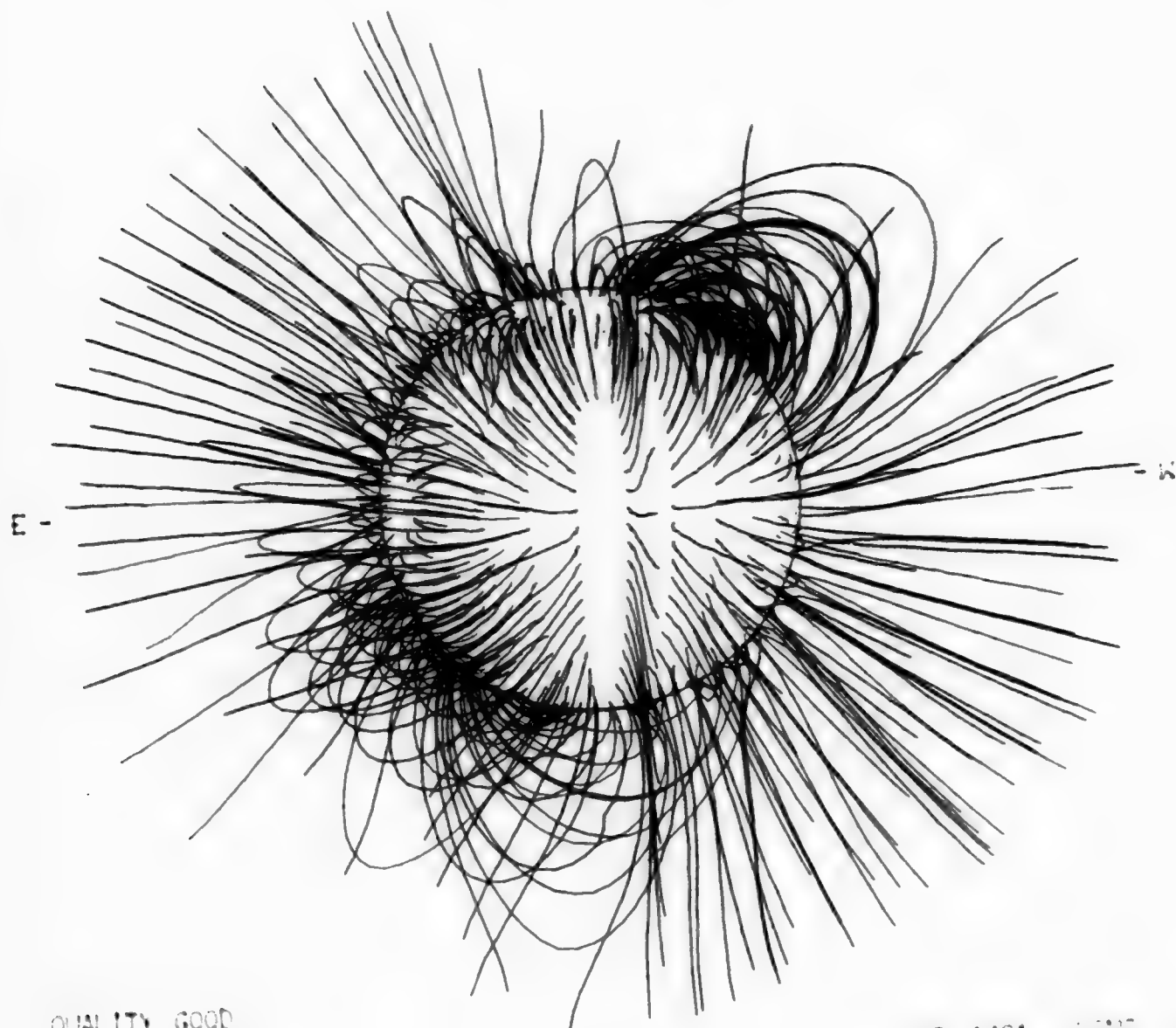


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1481.42

S

ROT. 1481 LONG. 40°
 11.1 JUL 1962

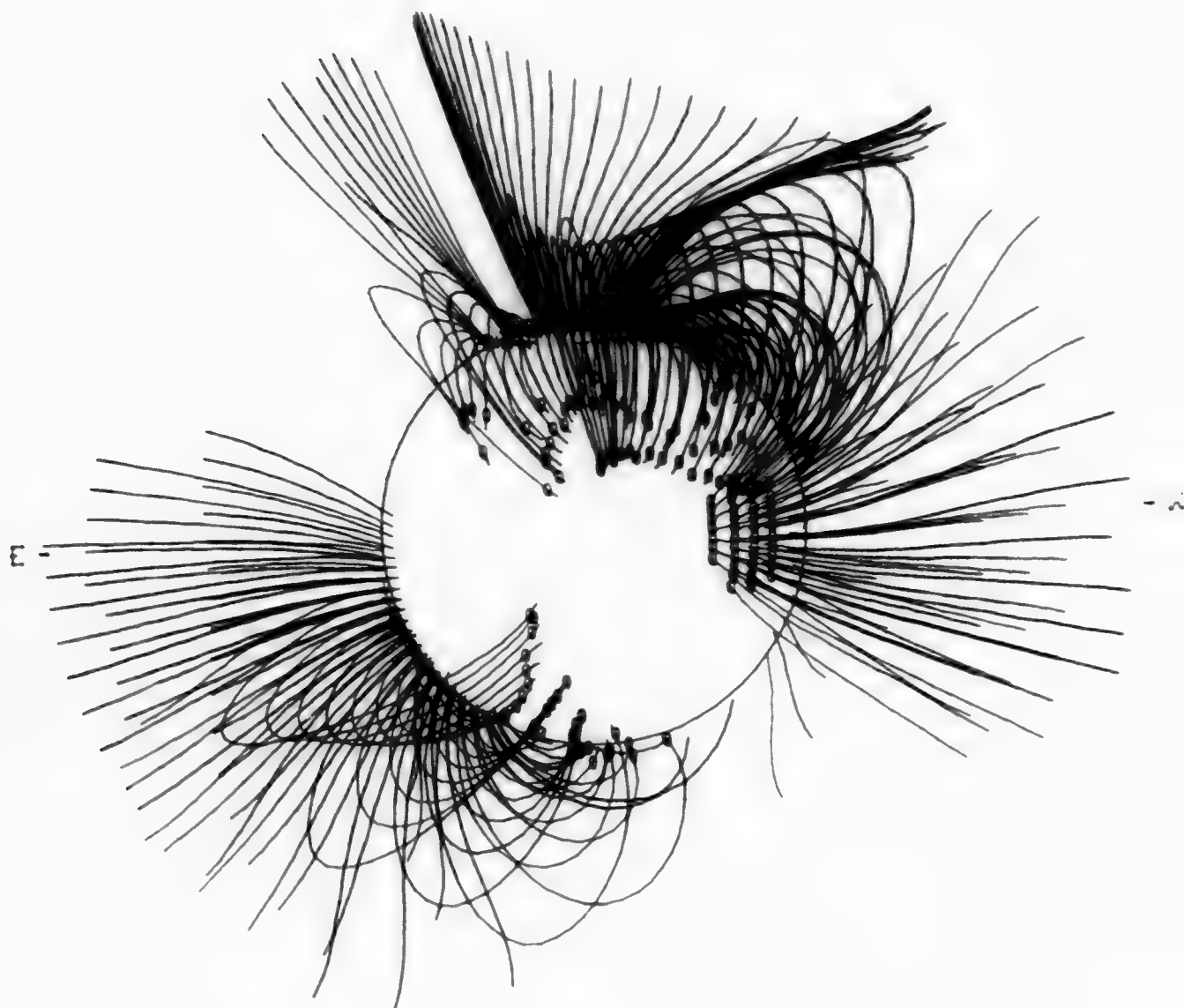
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.481.42

ROT. 1481 LONG. 51°
11.8 100 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

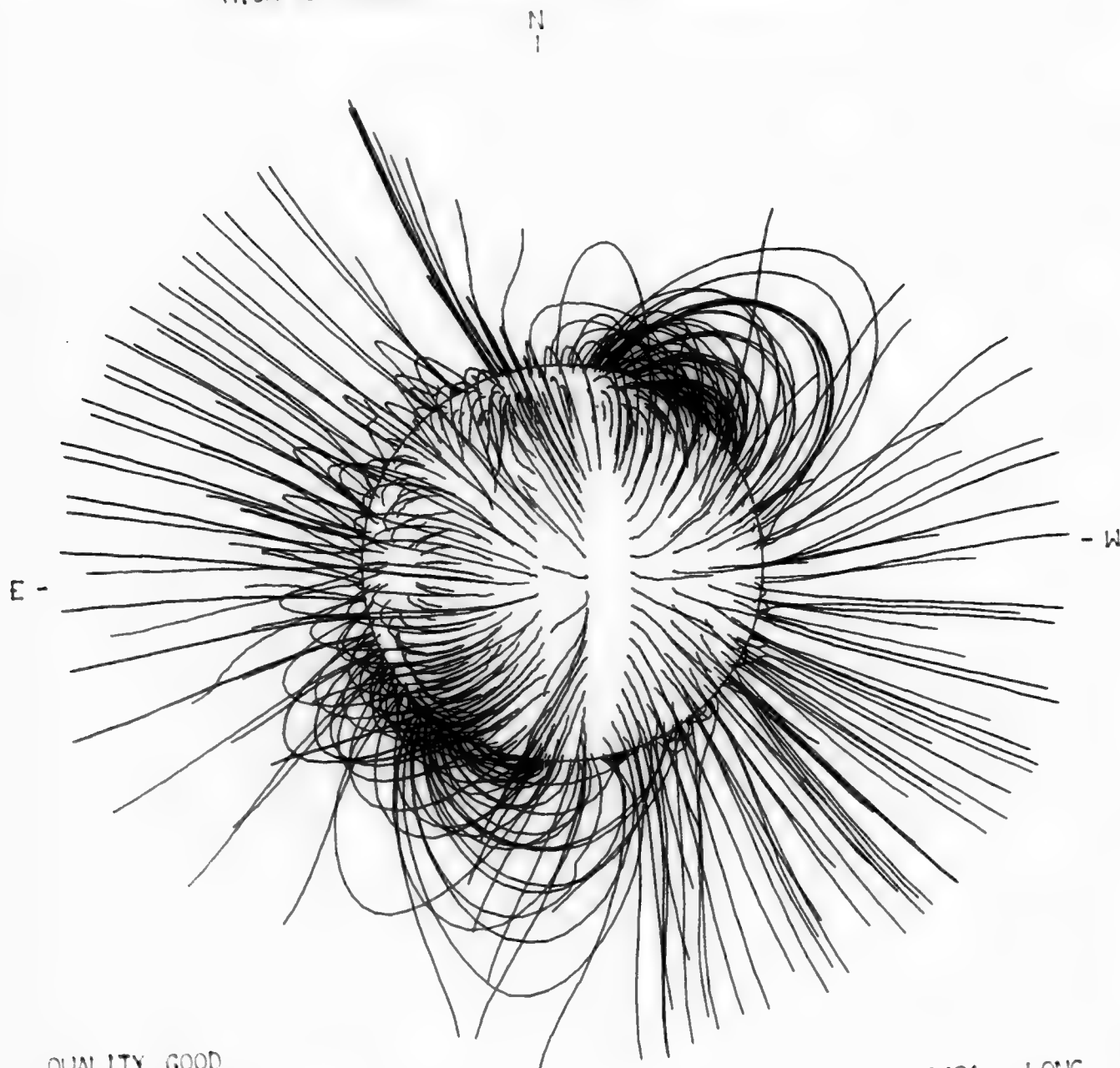


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

1
S

RUT. 1481 1481.50
11.8 1481.50

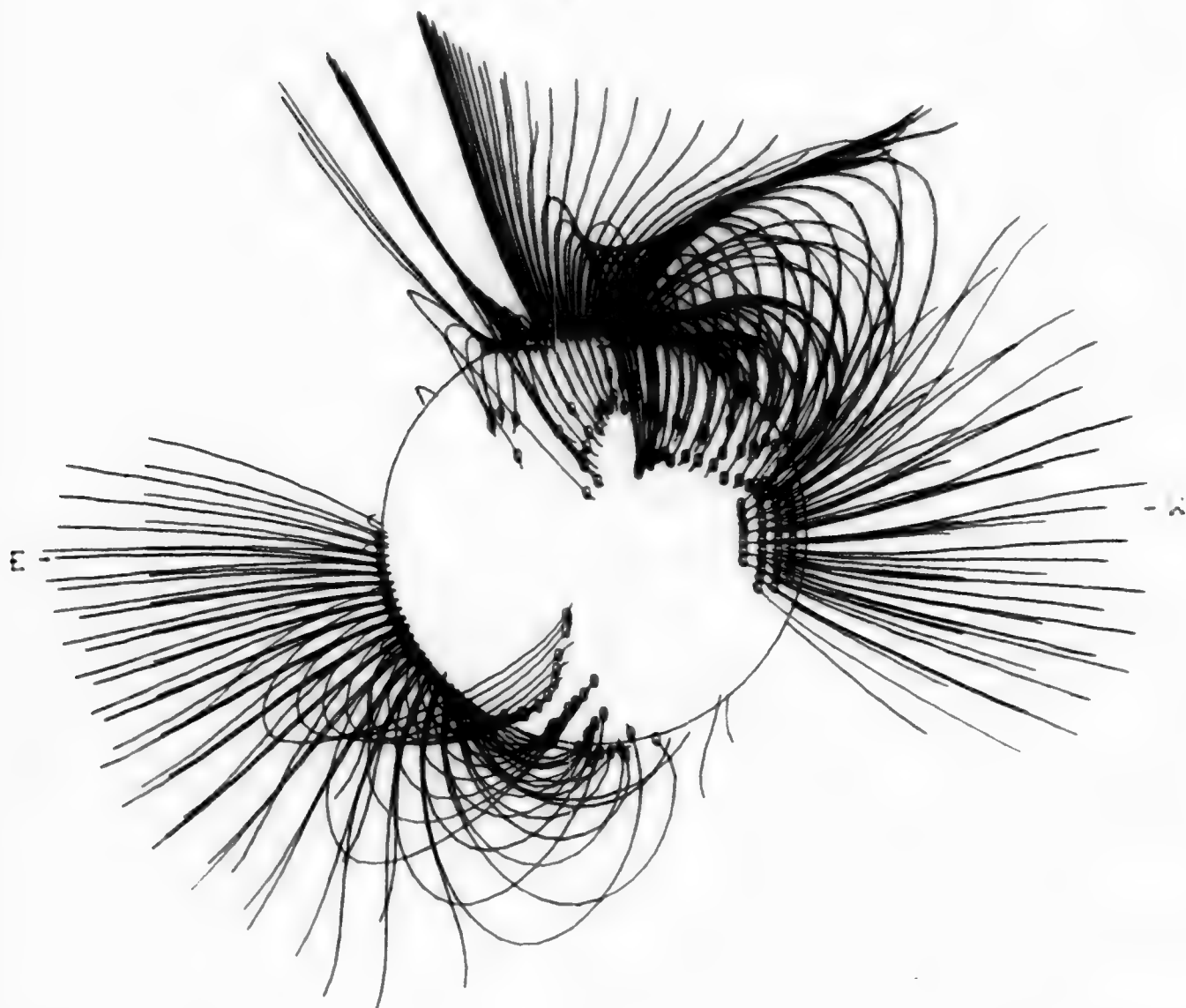
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1481 LONG. 40°
12.6 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

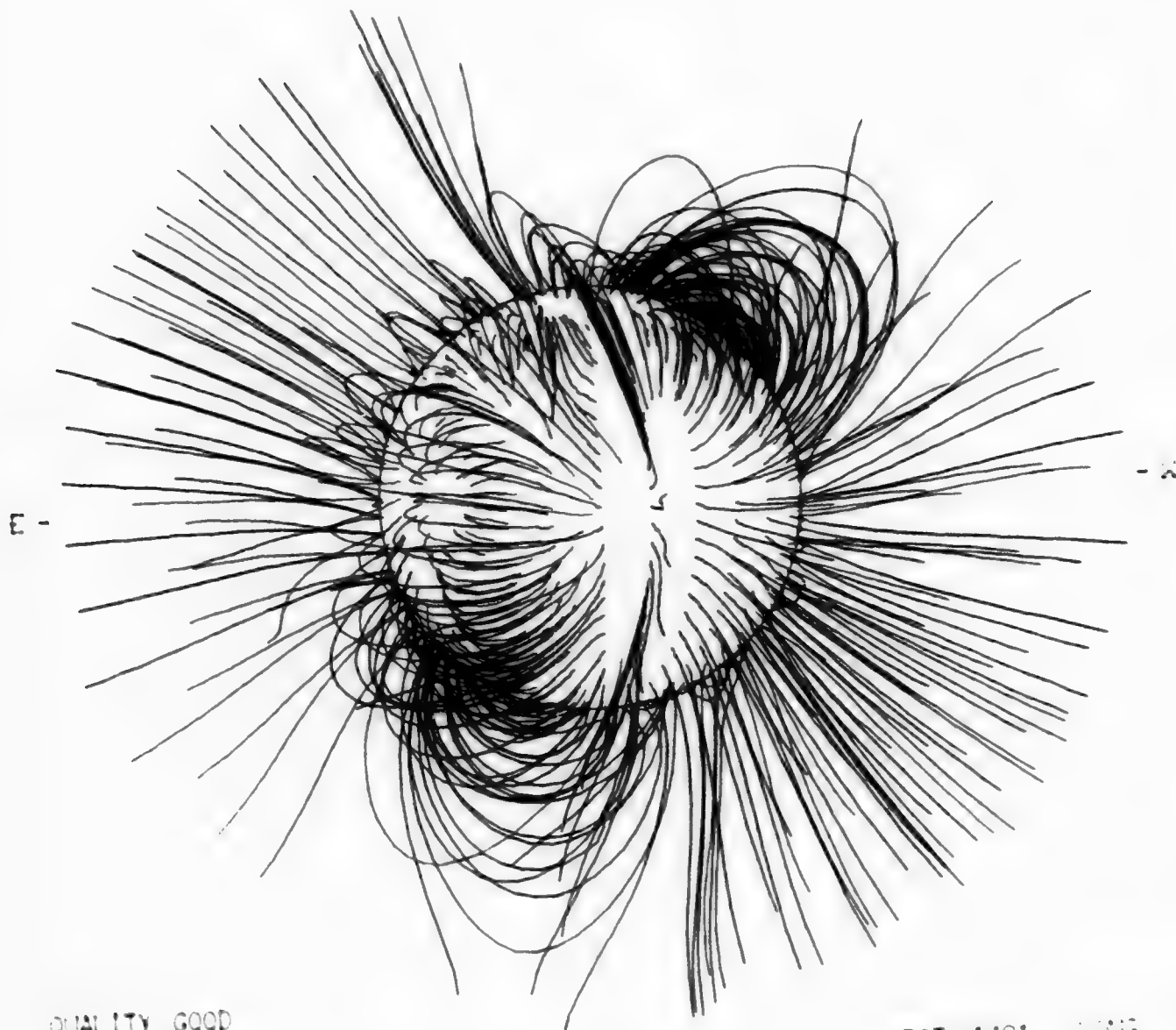


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.481.42

S

RUT. 1.481.42 LAG. 40°
12.6 1.481.42

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

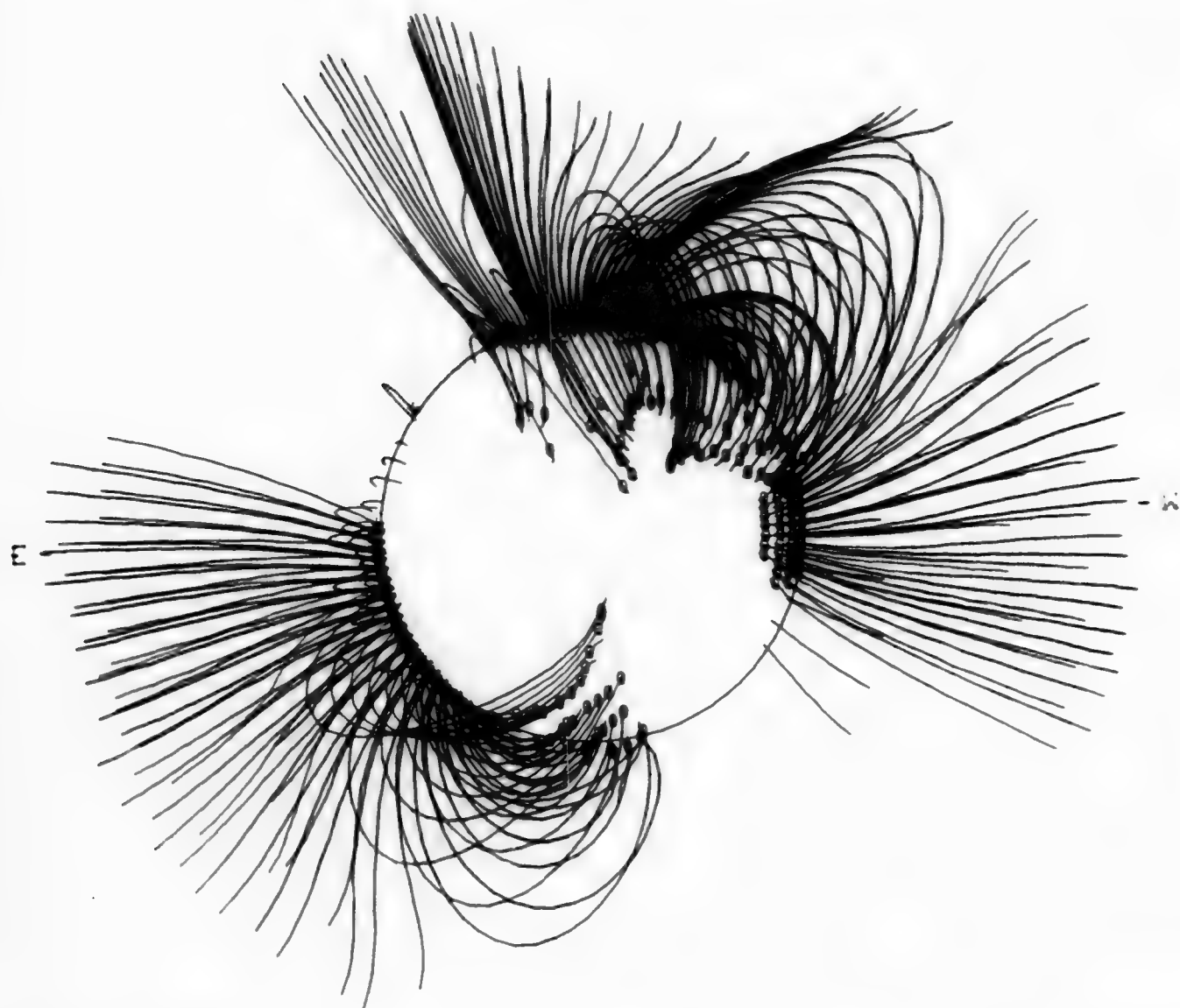


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

S

ROT. 1481 2016. 30°
15.3 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

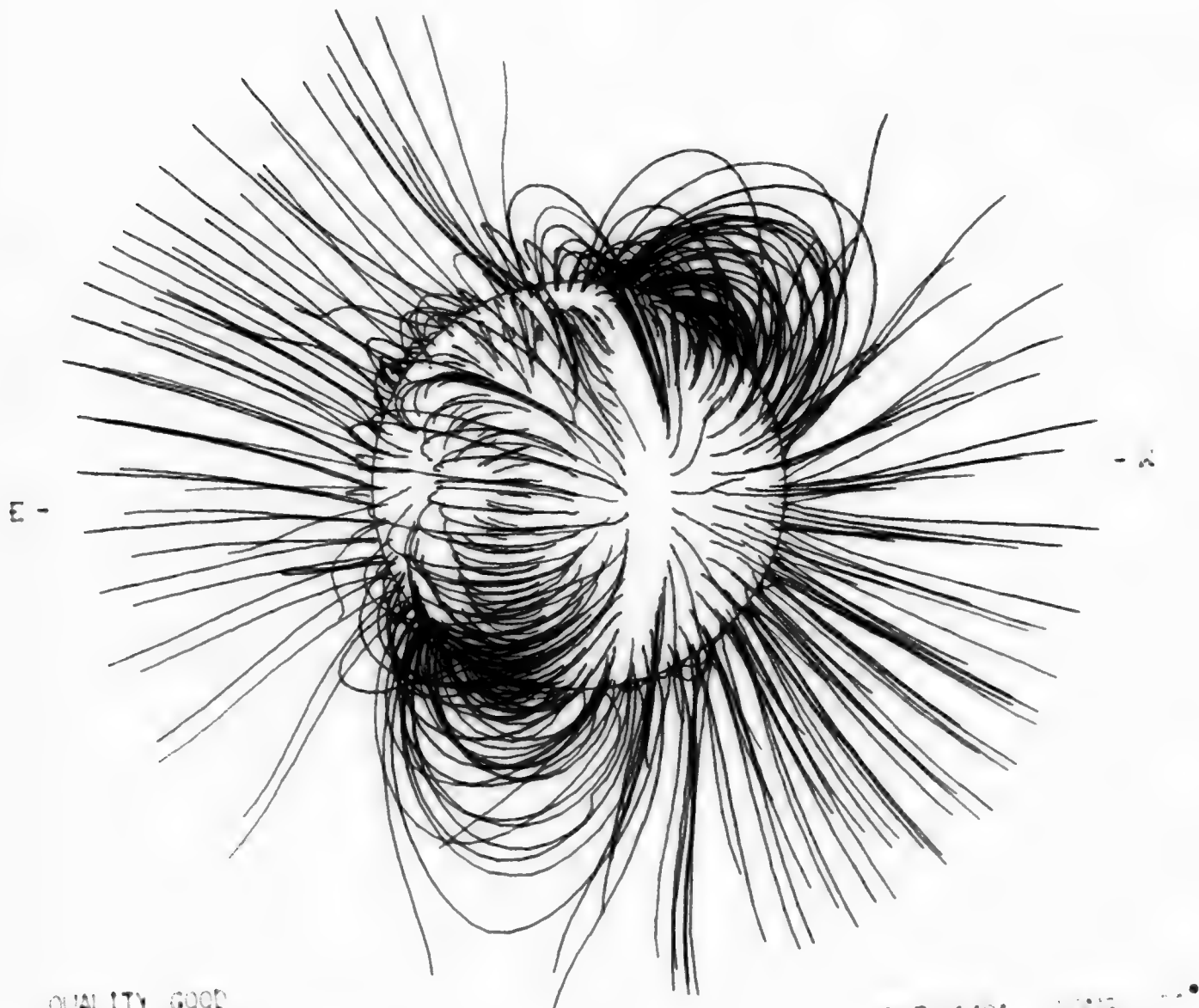


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.481.42

1
S

ROT. 1.48° LONG. 30°
13.3 0.71 1.44

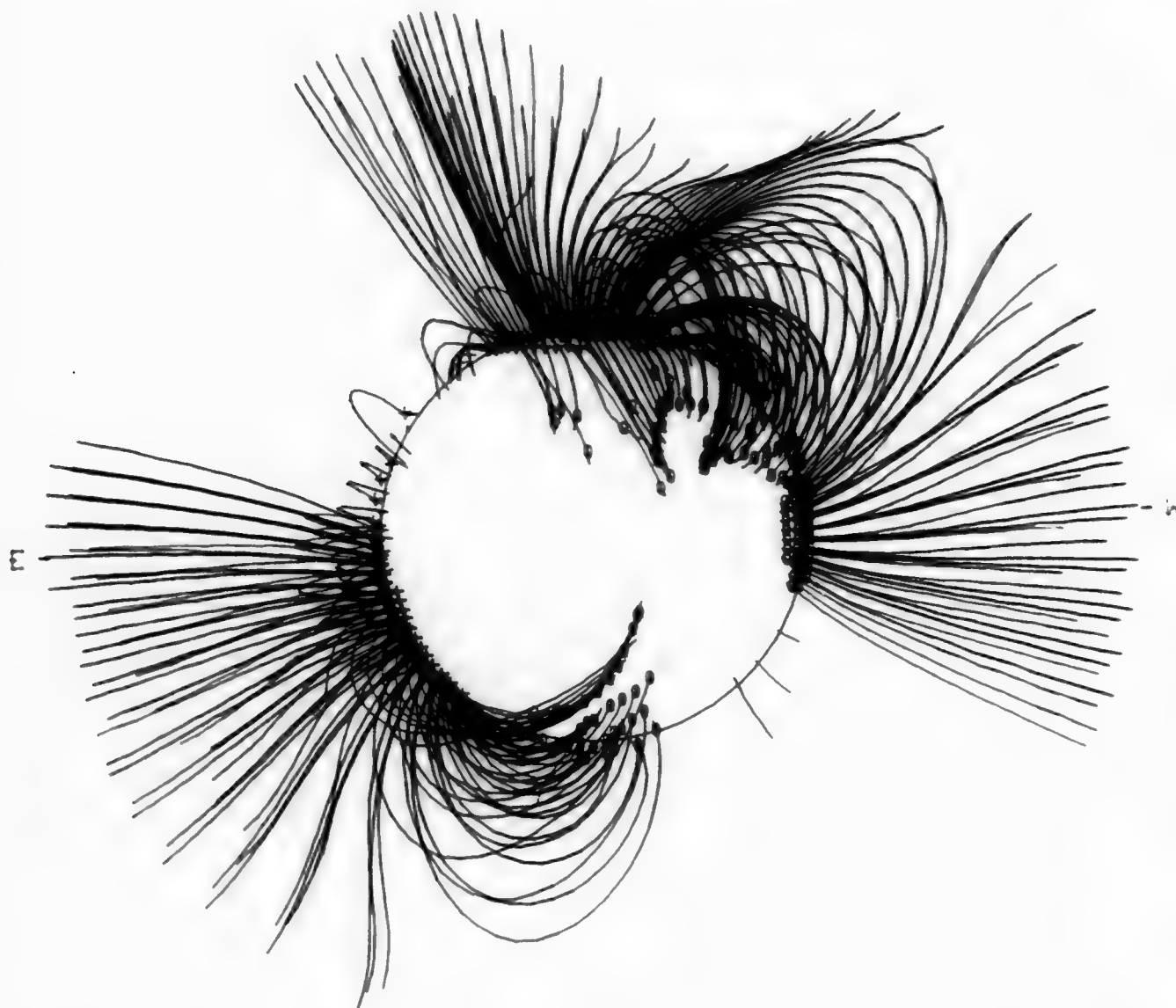
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.81.42

R.T. 1.48° 1.48° 1.48°
1.48° 1.48° 1.48°

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

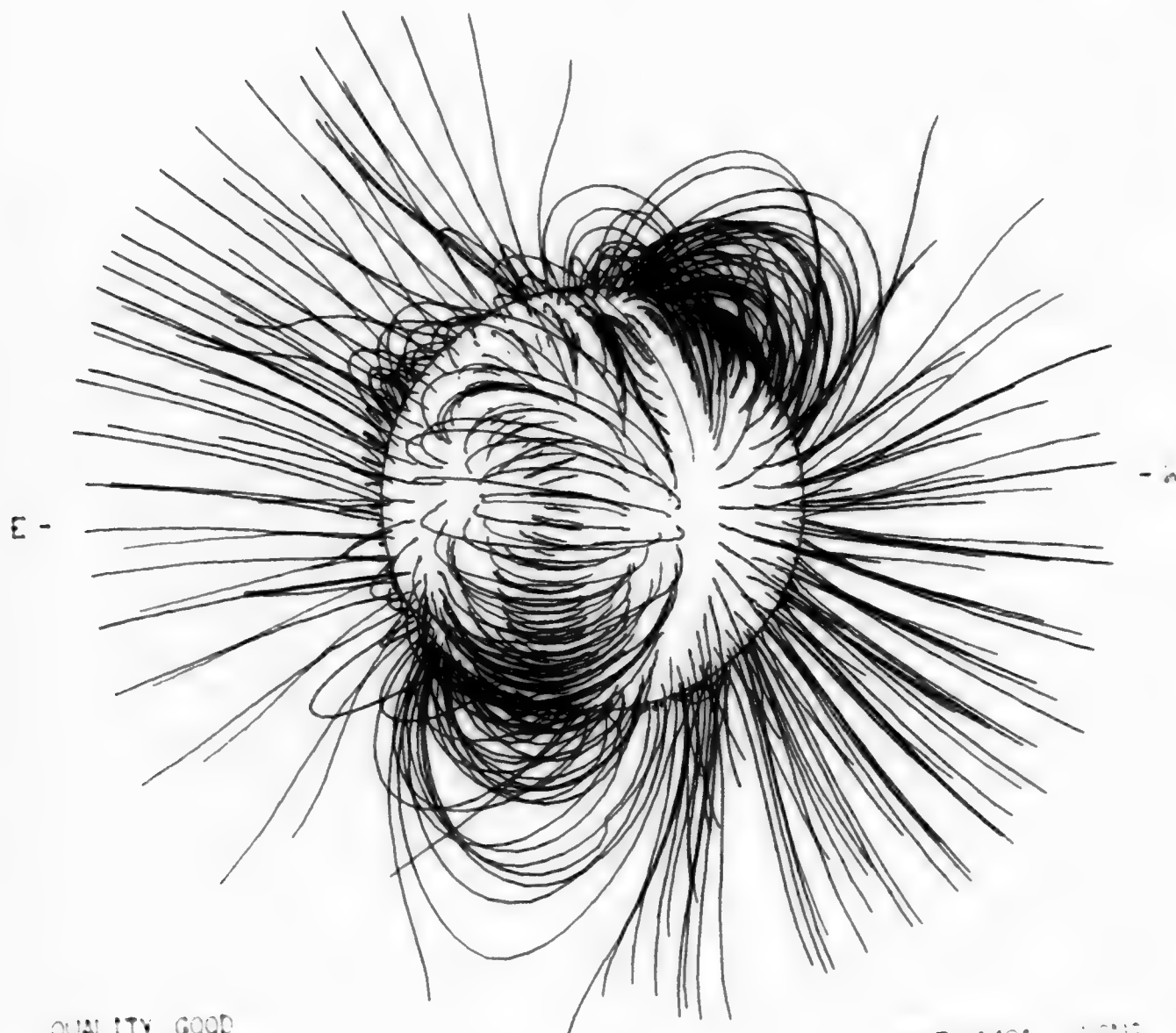


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1481.42

1
 S

ROT. 1481 LONG. 20°
 14.1 JUN 1962

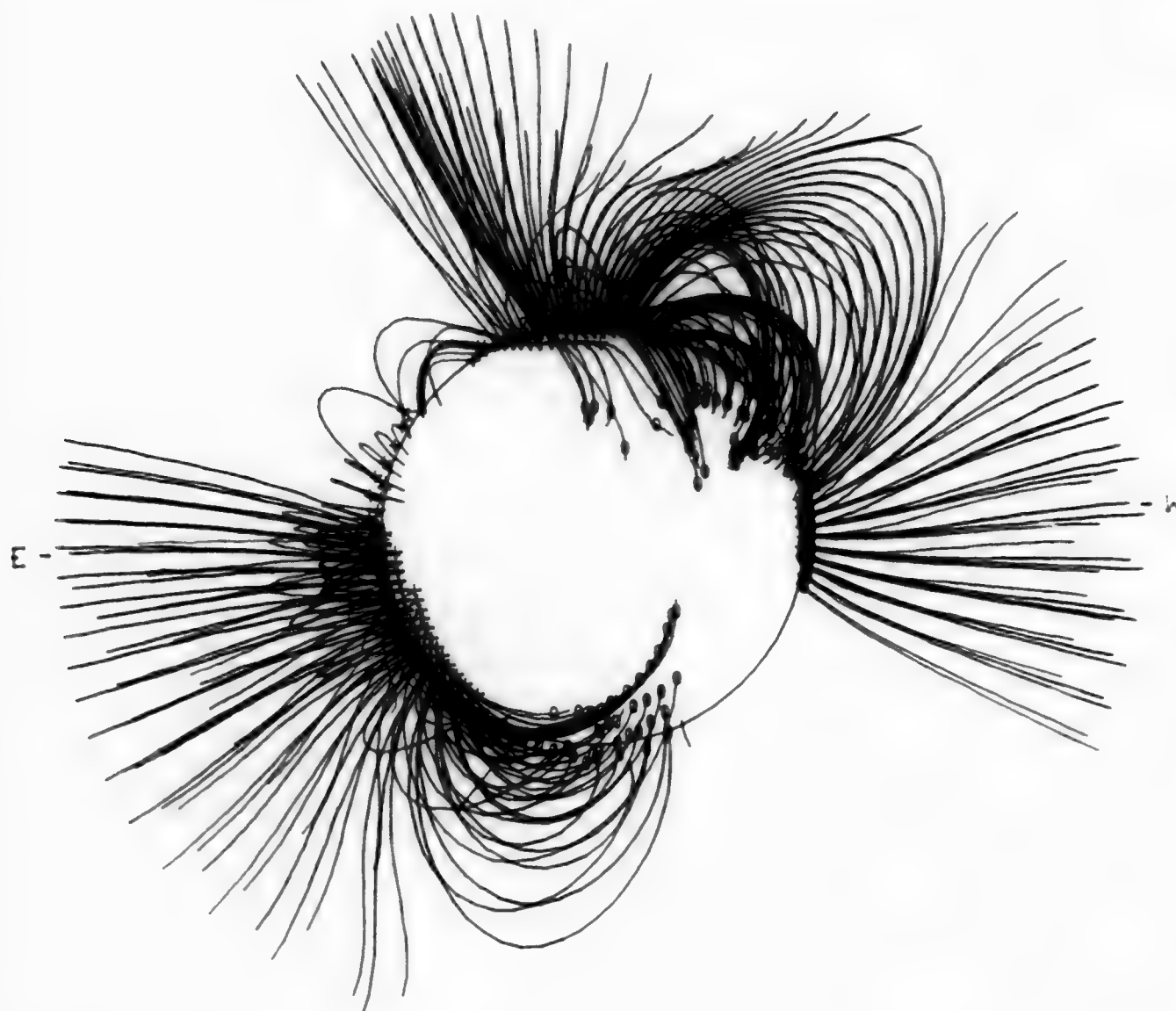
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1481 LONG. 10°
12.9 JUN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

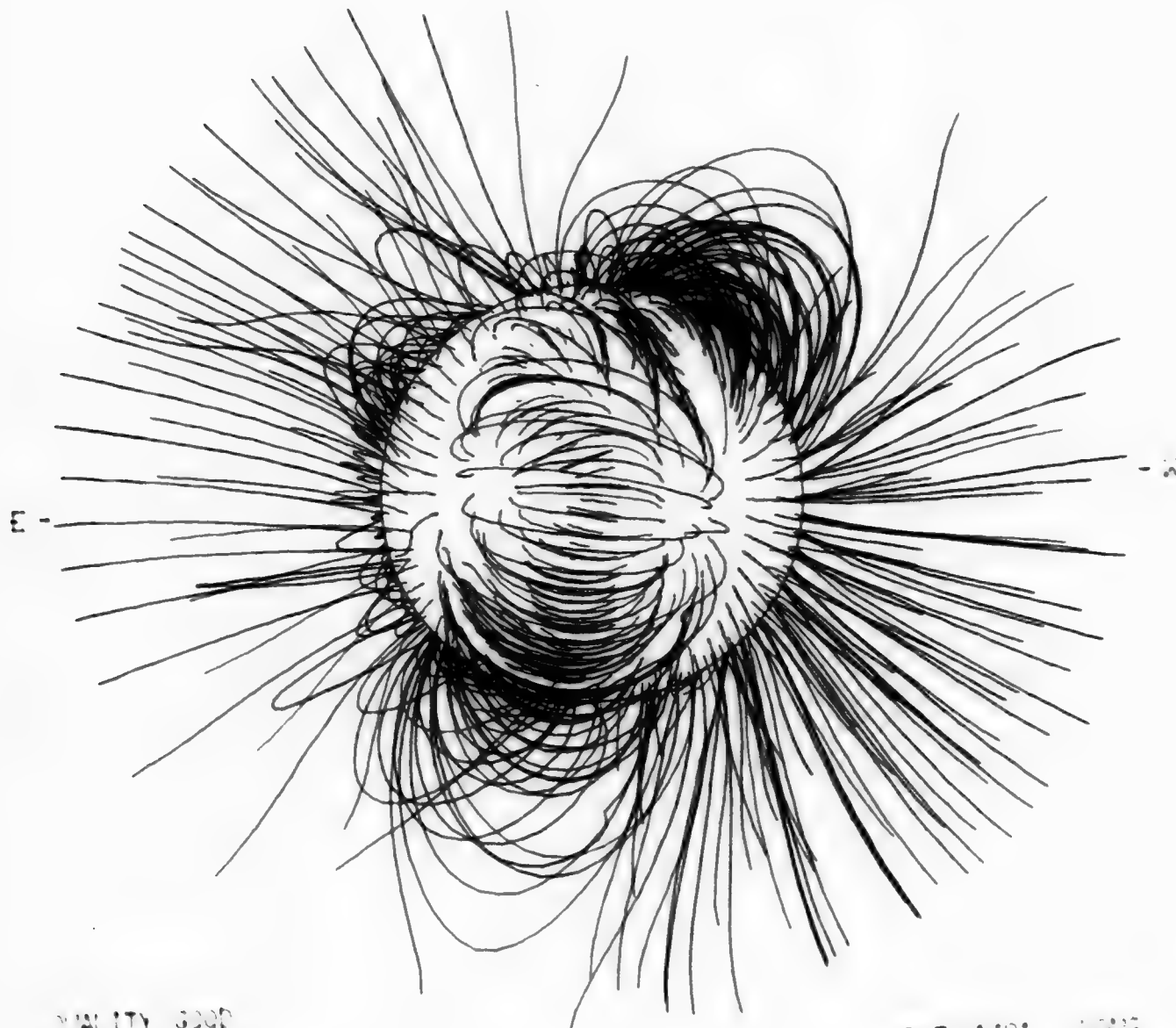


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

S

ROT. 1481 LONG. 14.5
14.5 14.5 14.5

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

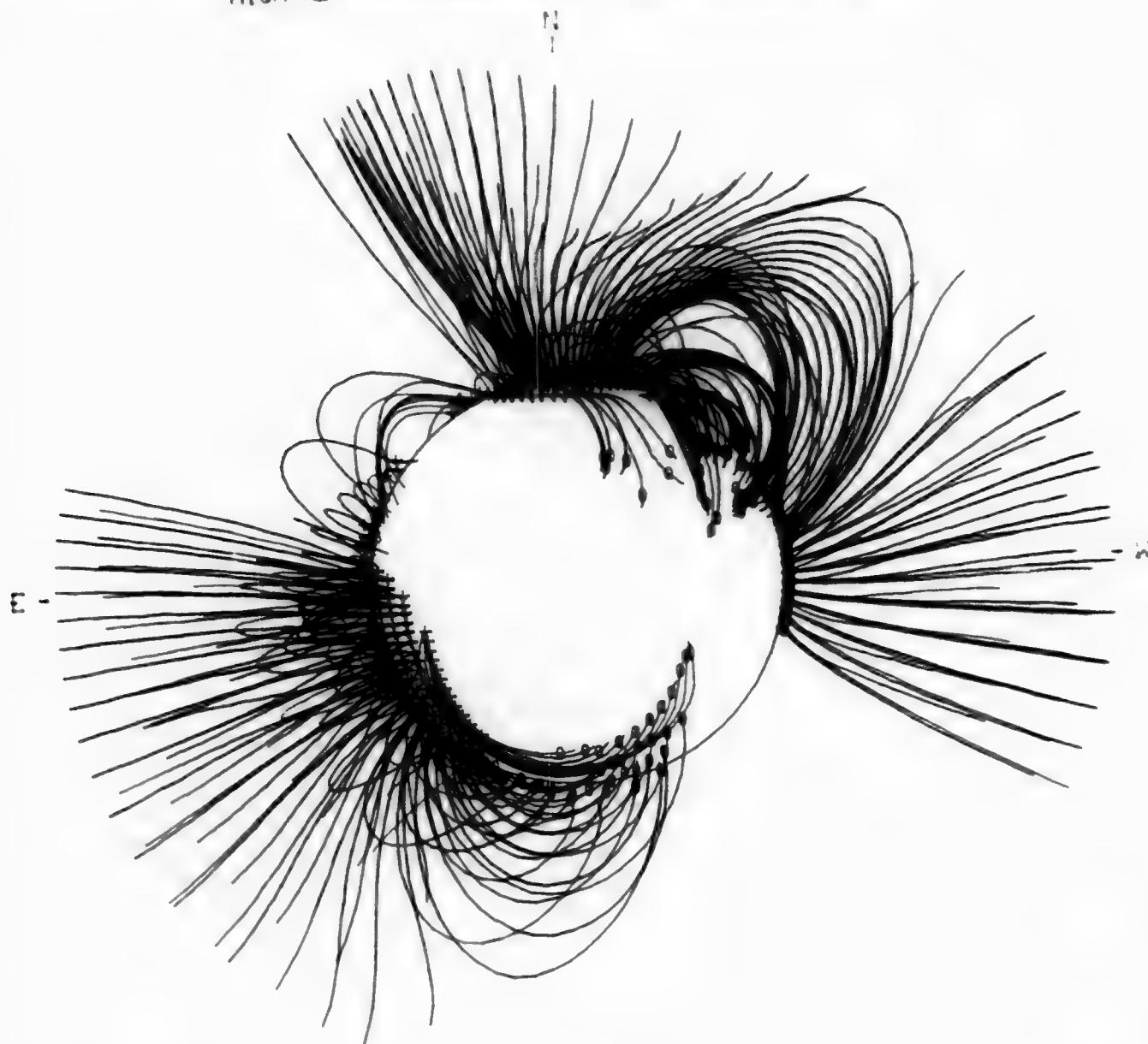


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.481.42

S

ROT. 1.481 1.481.42
15.6 1.481 1.481.42

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

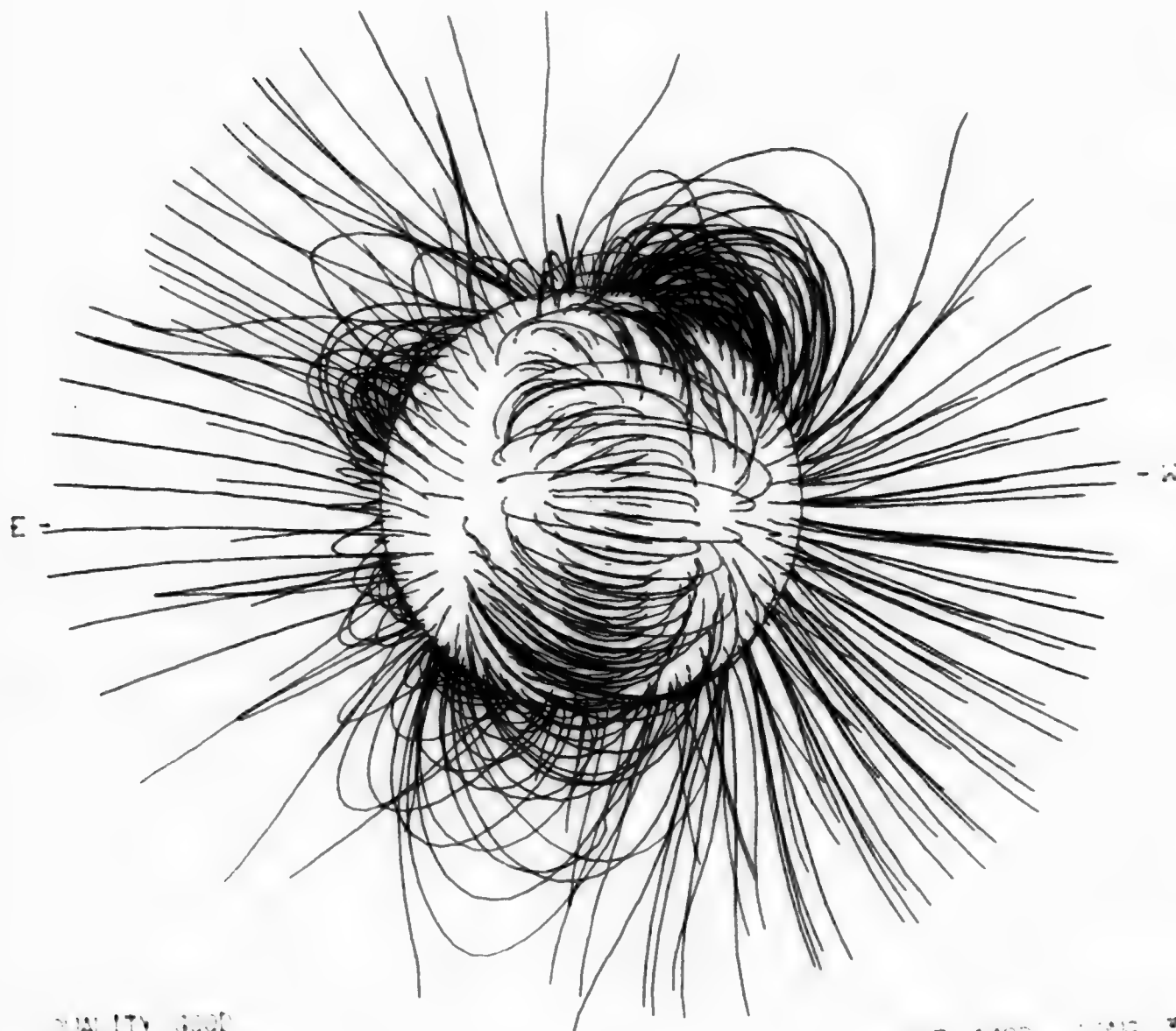


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

1
S

RT. 148° 2015. 1
15.6 100 1481

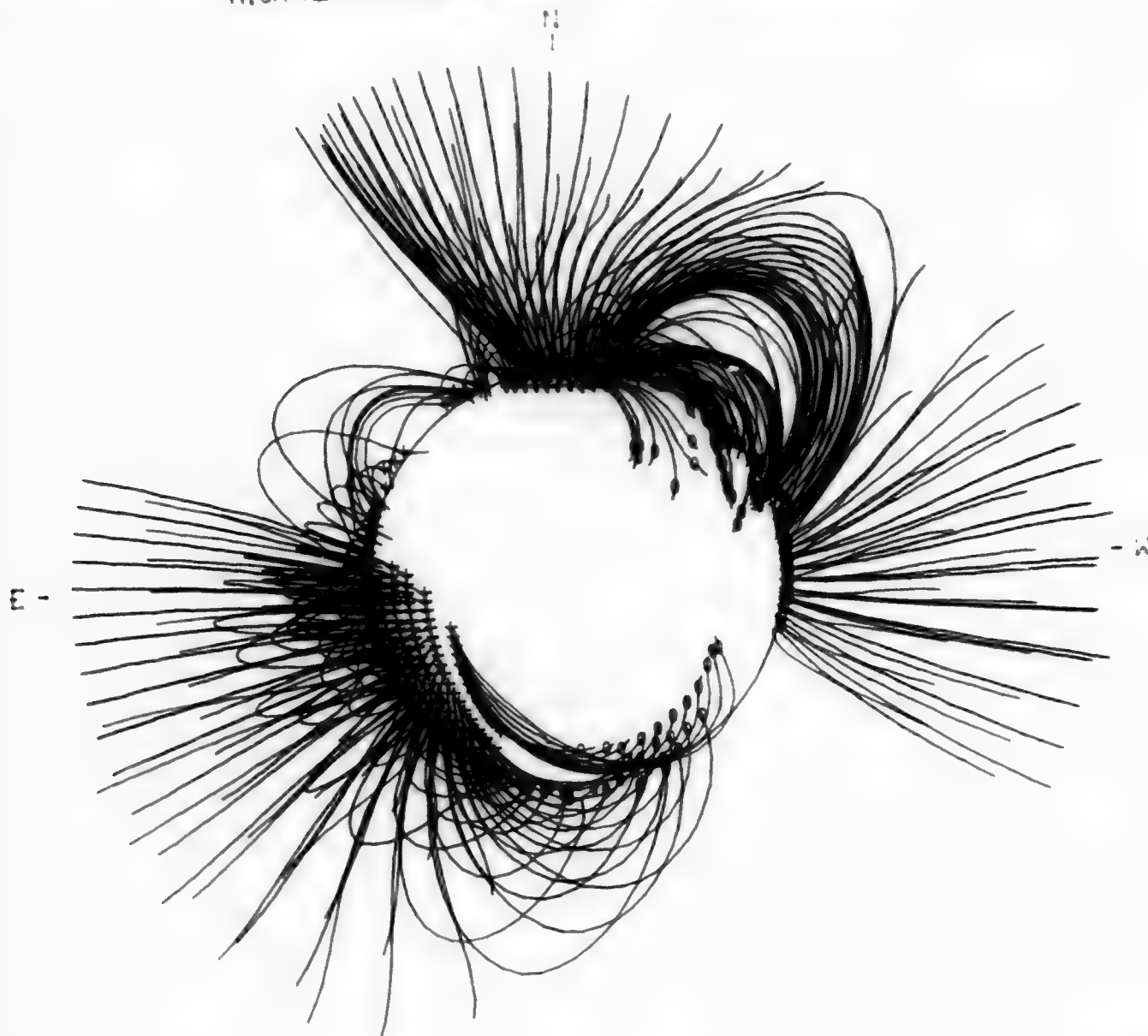
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1482 LON. 350°
16.4 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

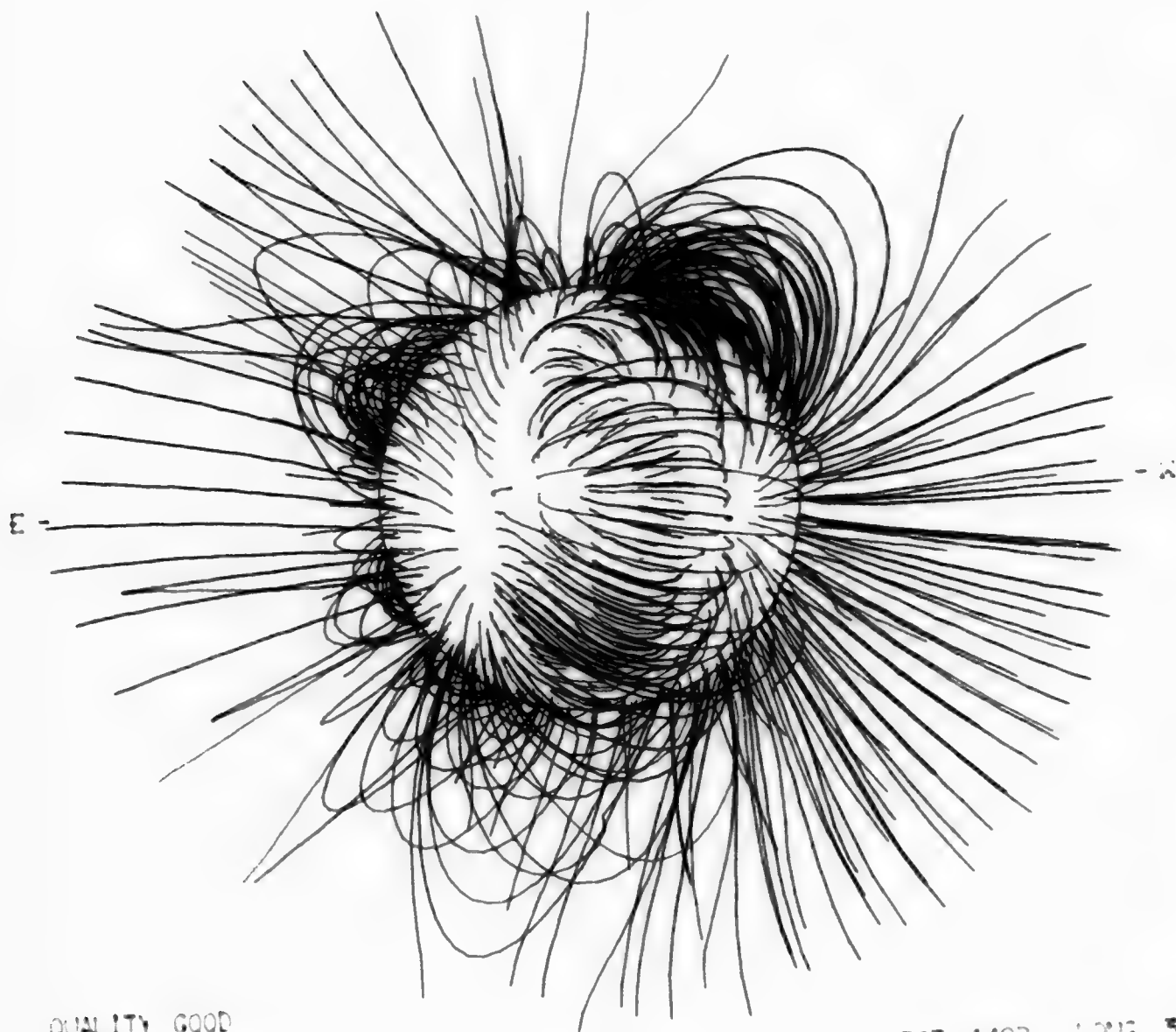


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1481.42

1
 S

RCT. 1482 LONG. 350°
 16.4 1001 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

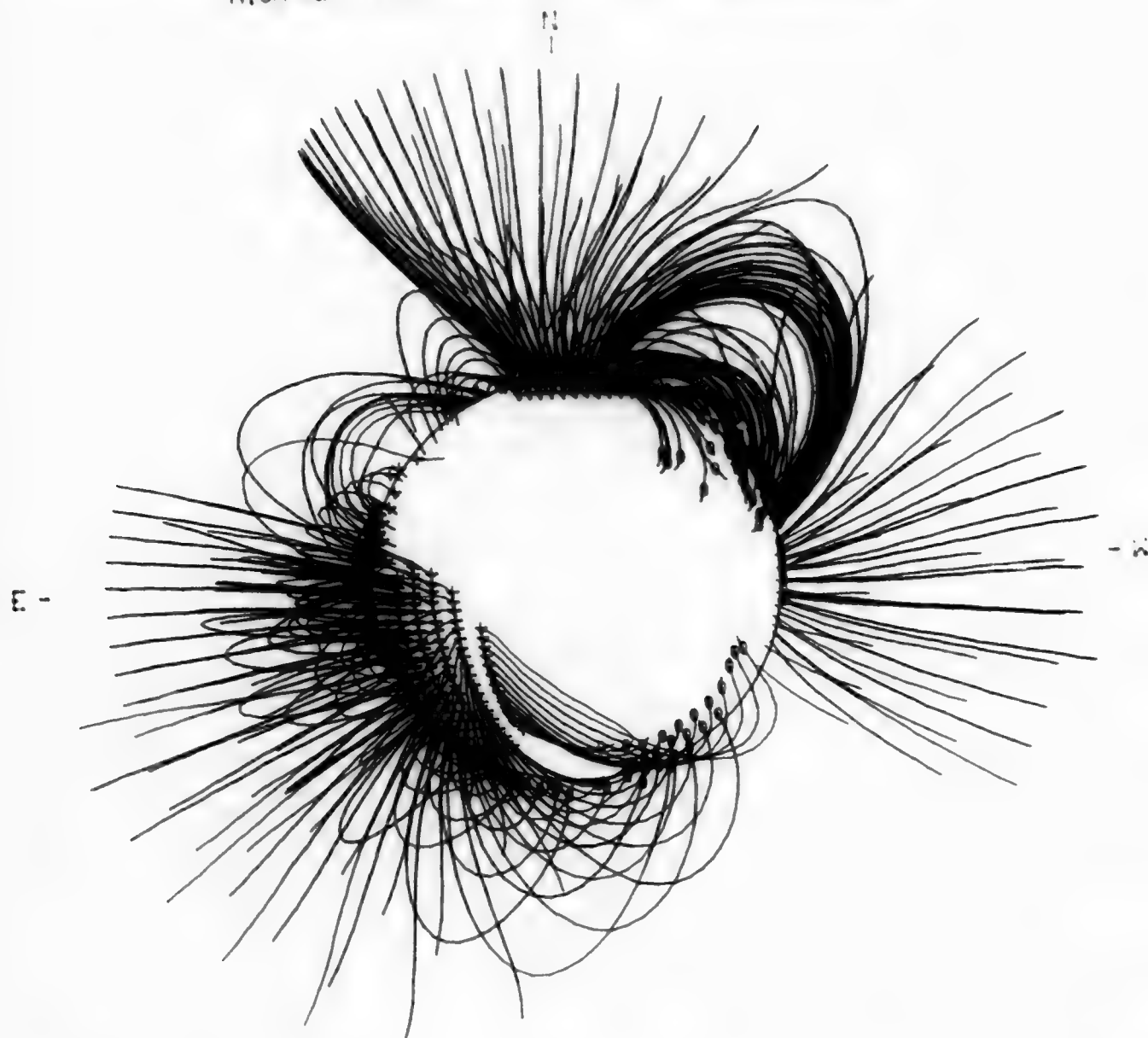


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

1
S

ROT. 1482 LONG. 540°
17.1 JUN 1992

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

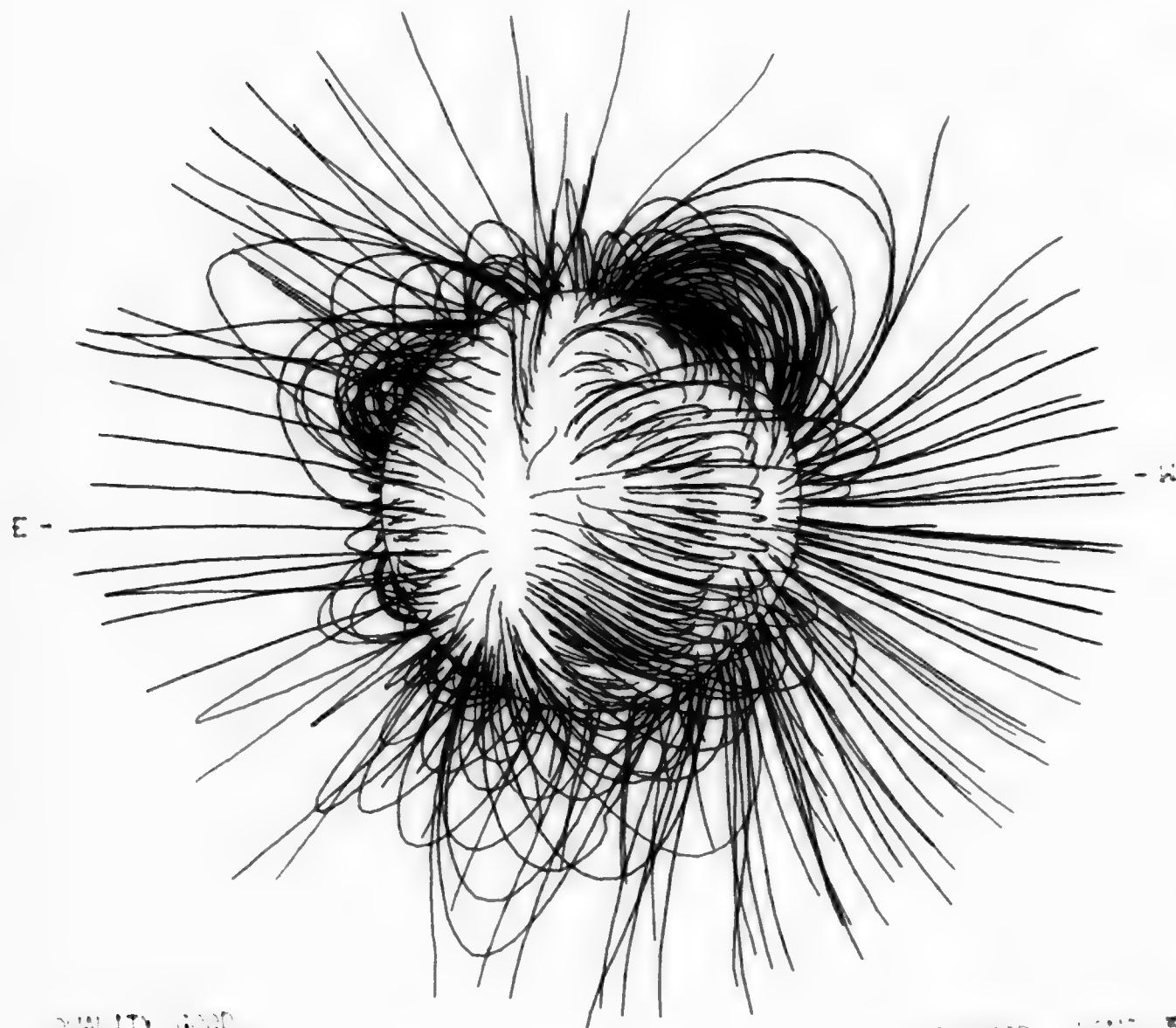


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

S

RET. 1482 2016.340°
17.1 001 1964

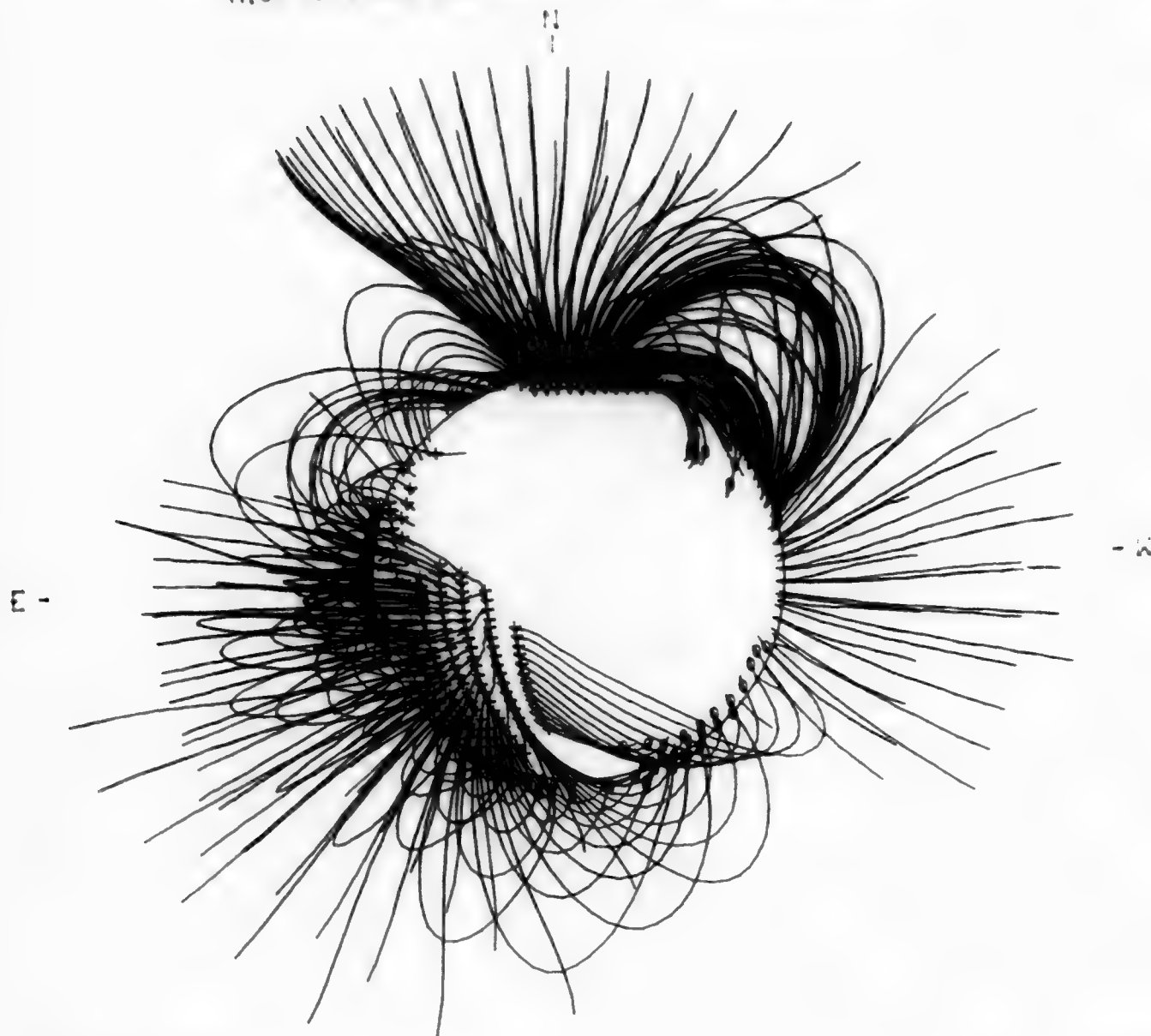
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.481.42

ROT. 1.482 LONG. 550°
17.5 JUN 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

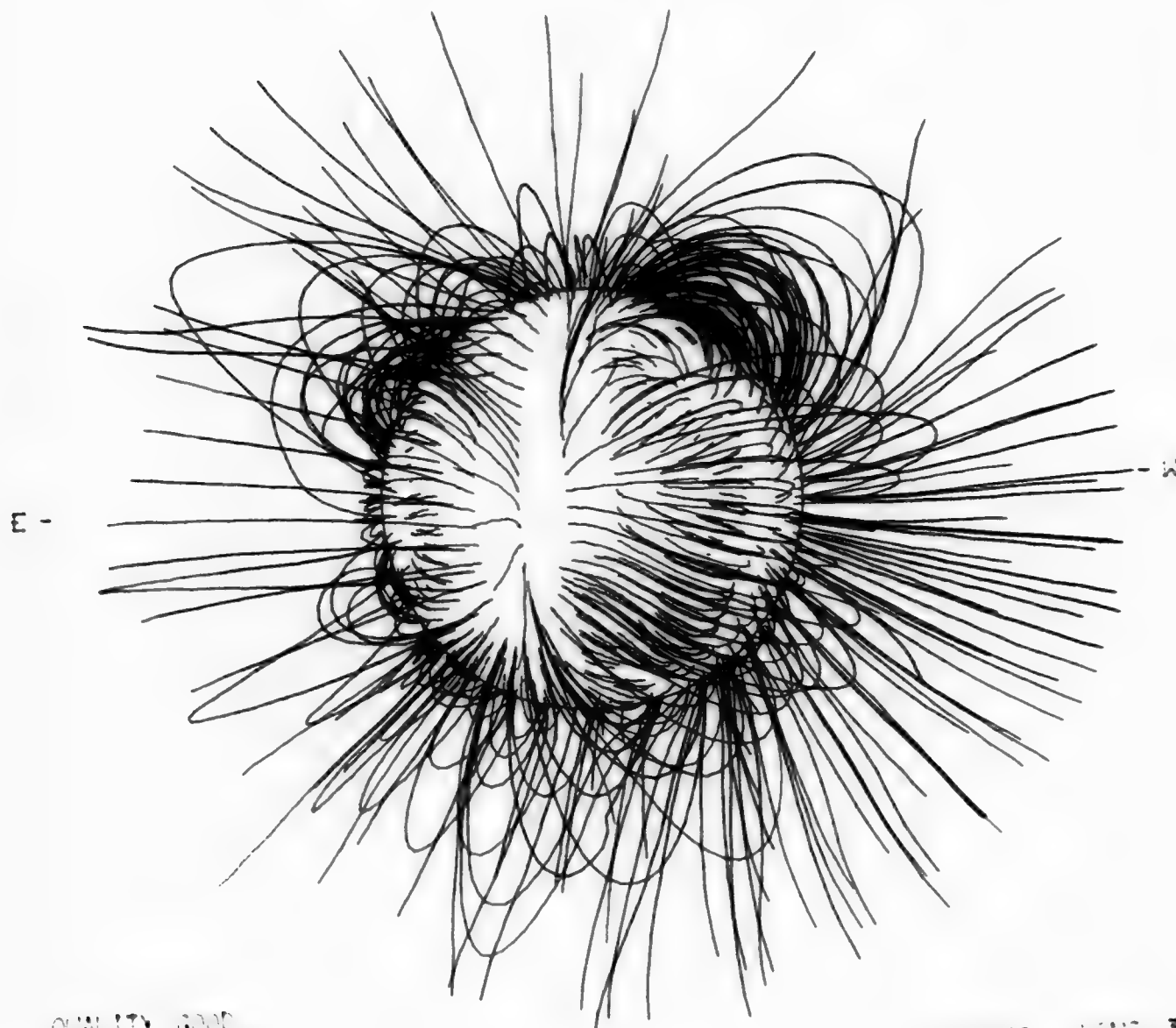


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1481.42

S

ROT. 1482 LONG. 350°
 17.9 JUN 1962

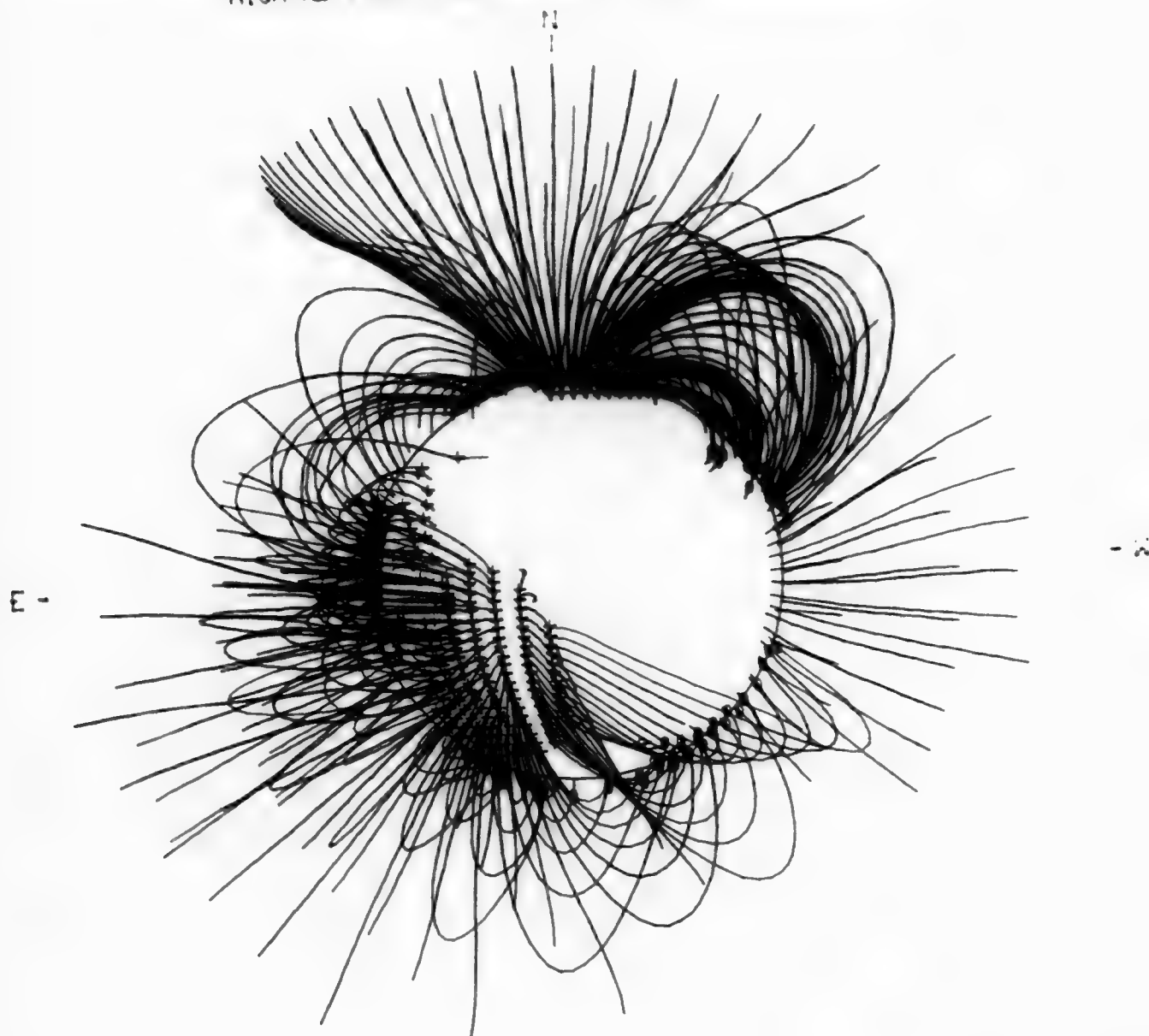
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1482 LONG. 30°
18.6 JUN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

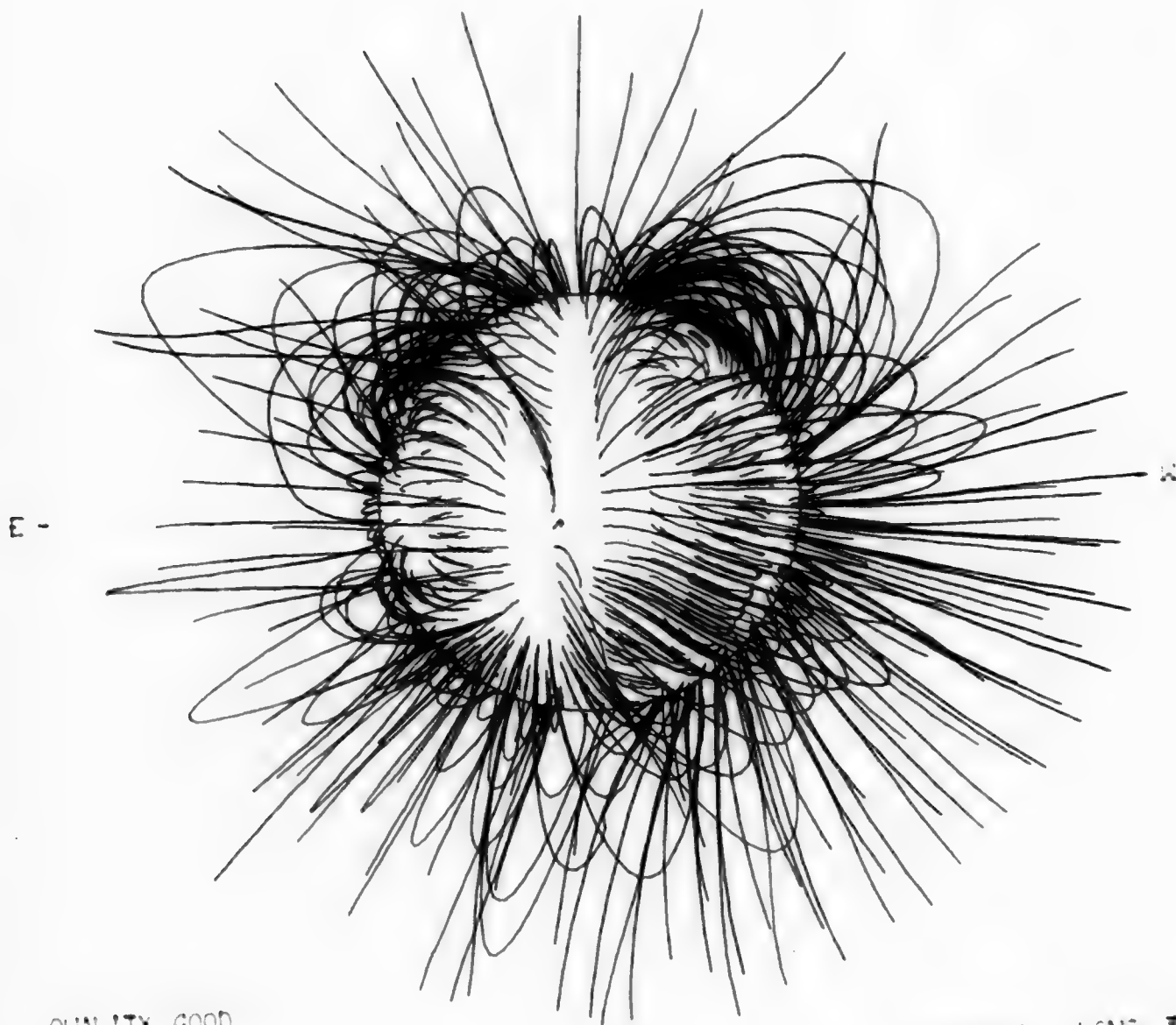


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

1
S

ROT. 1482 LONG. 320°
18.6 JUN 1964

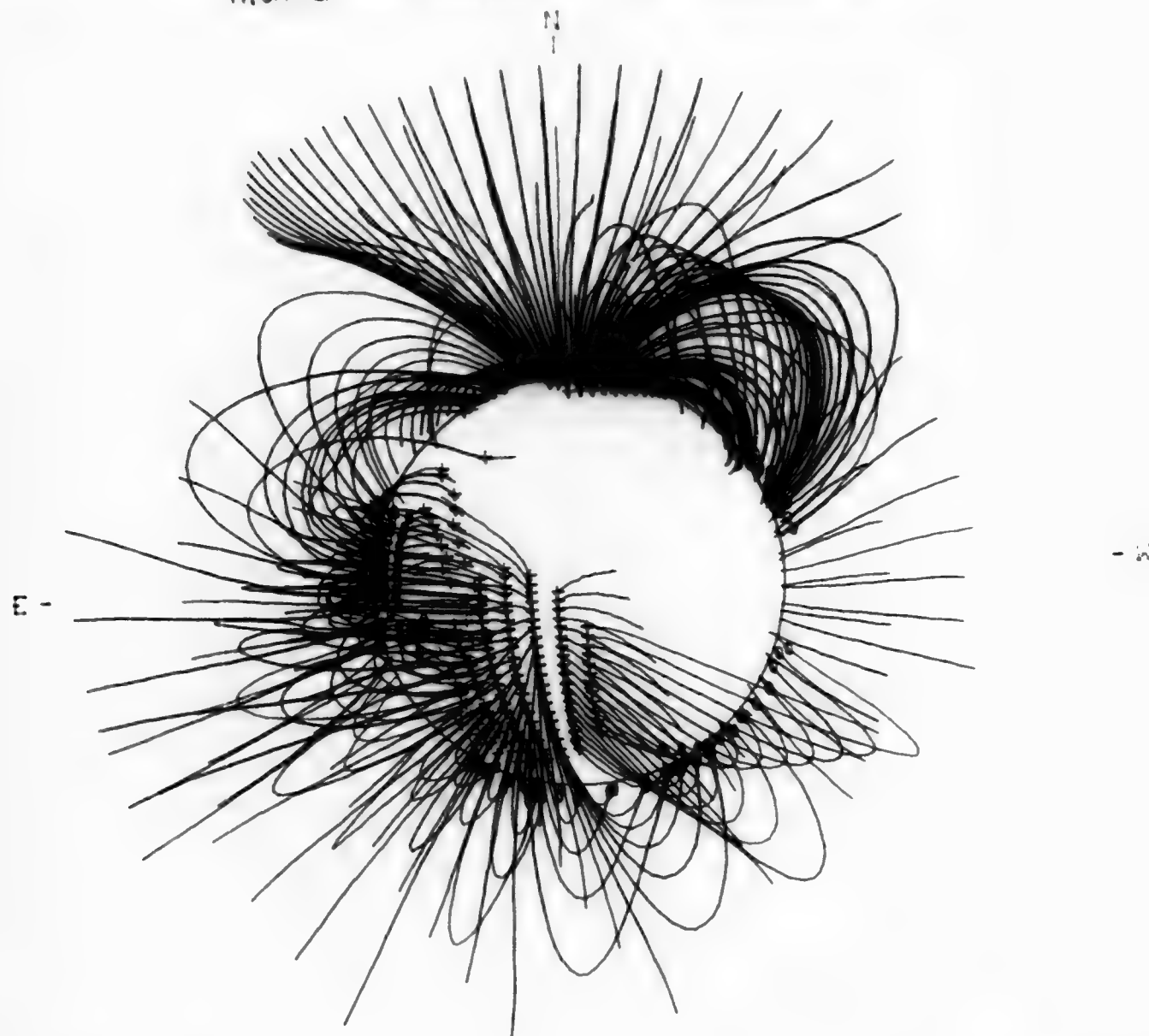
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1482 LONG. 3°
19.4 JUN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

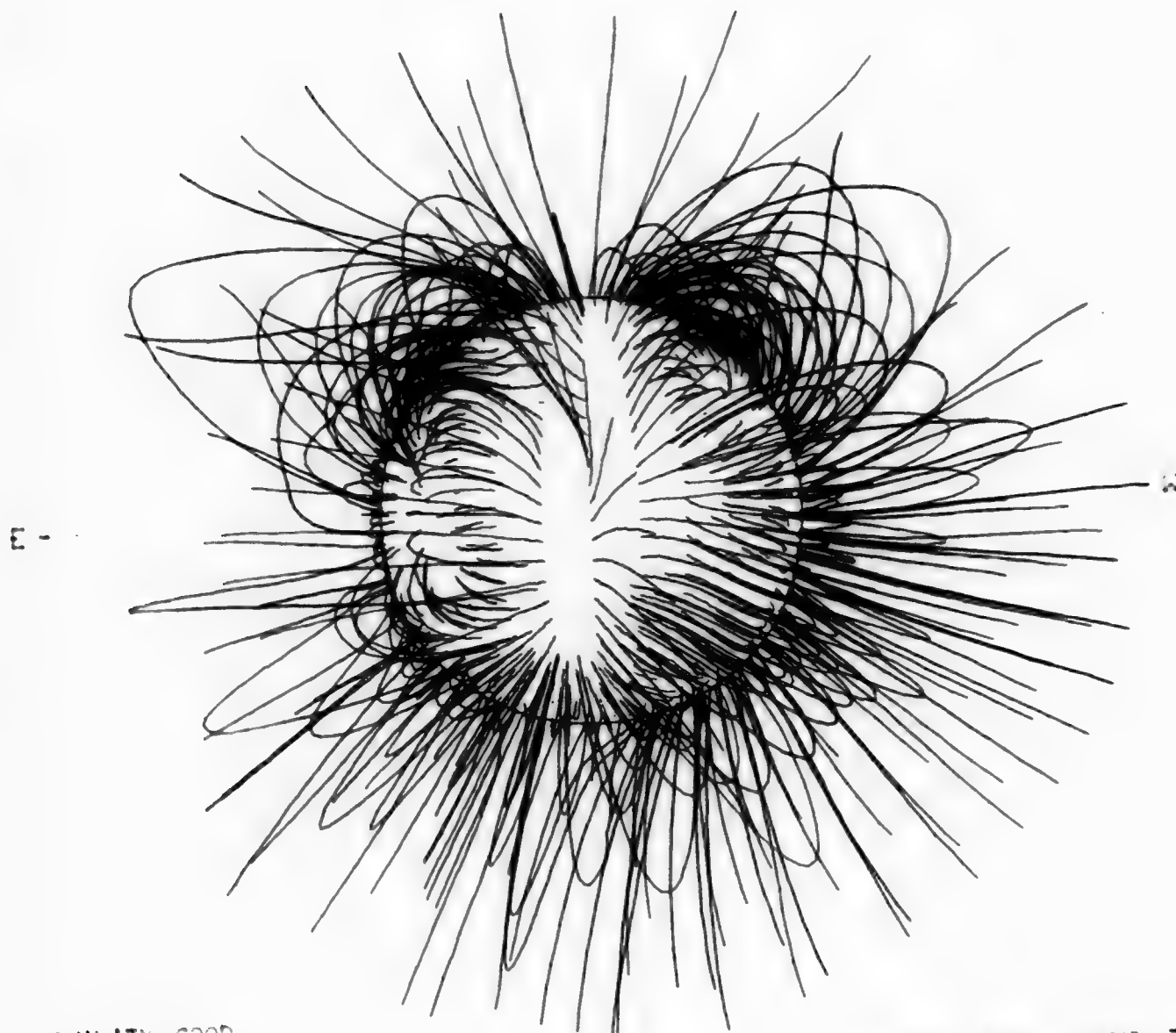


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1481.42

1
 S

ROT. 1482 LONG. 51.1°
 19.4 JUL 1982

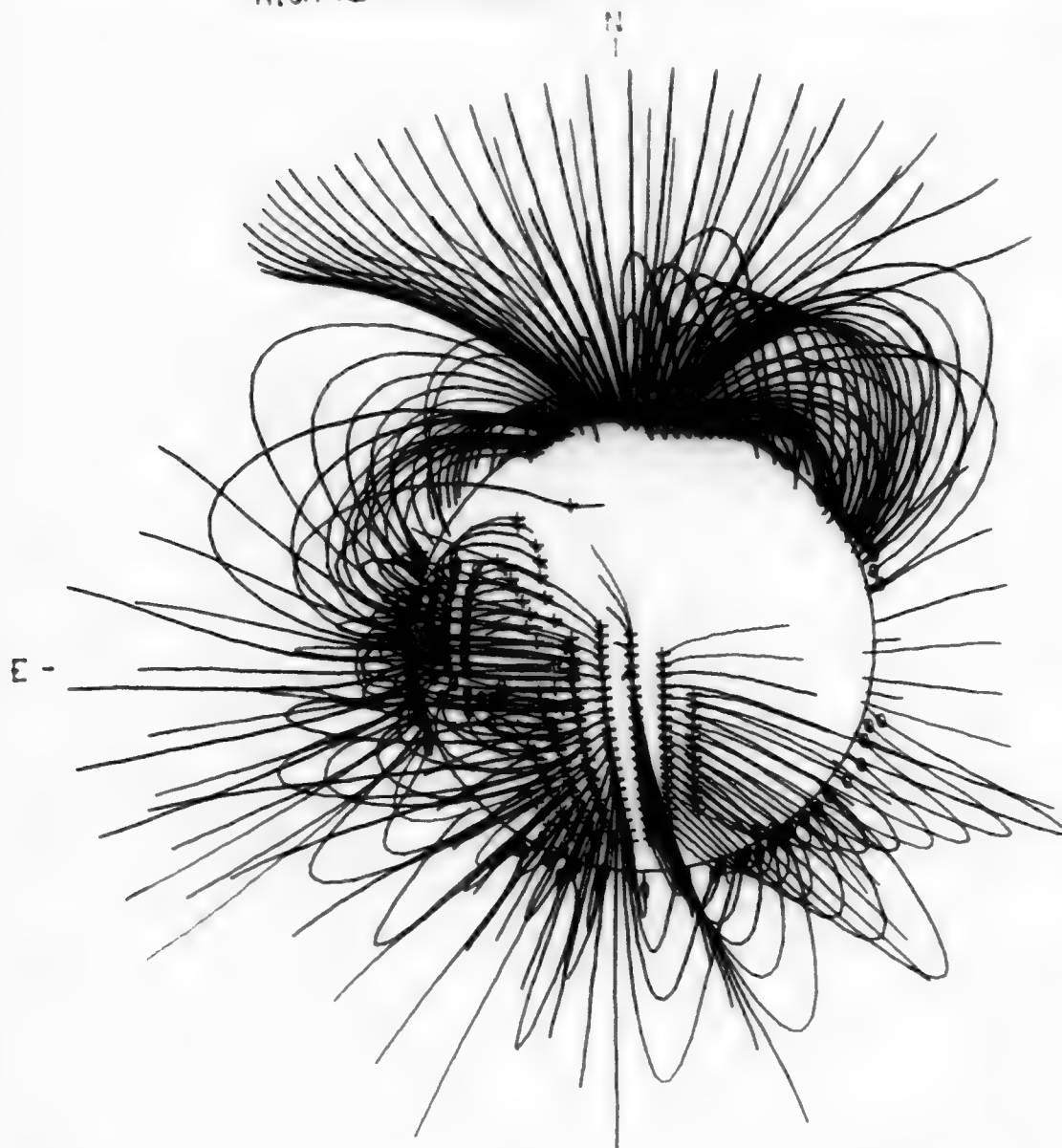
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1482 LONG. 301°
20.2 JUN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

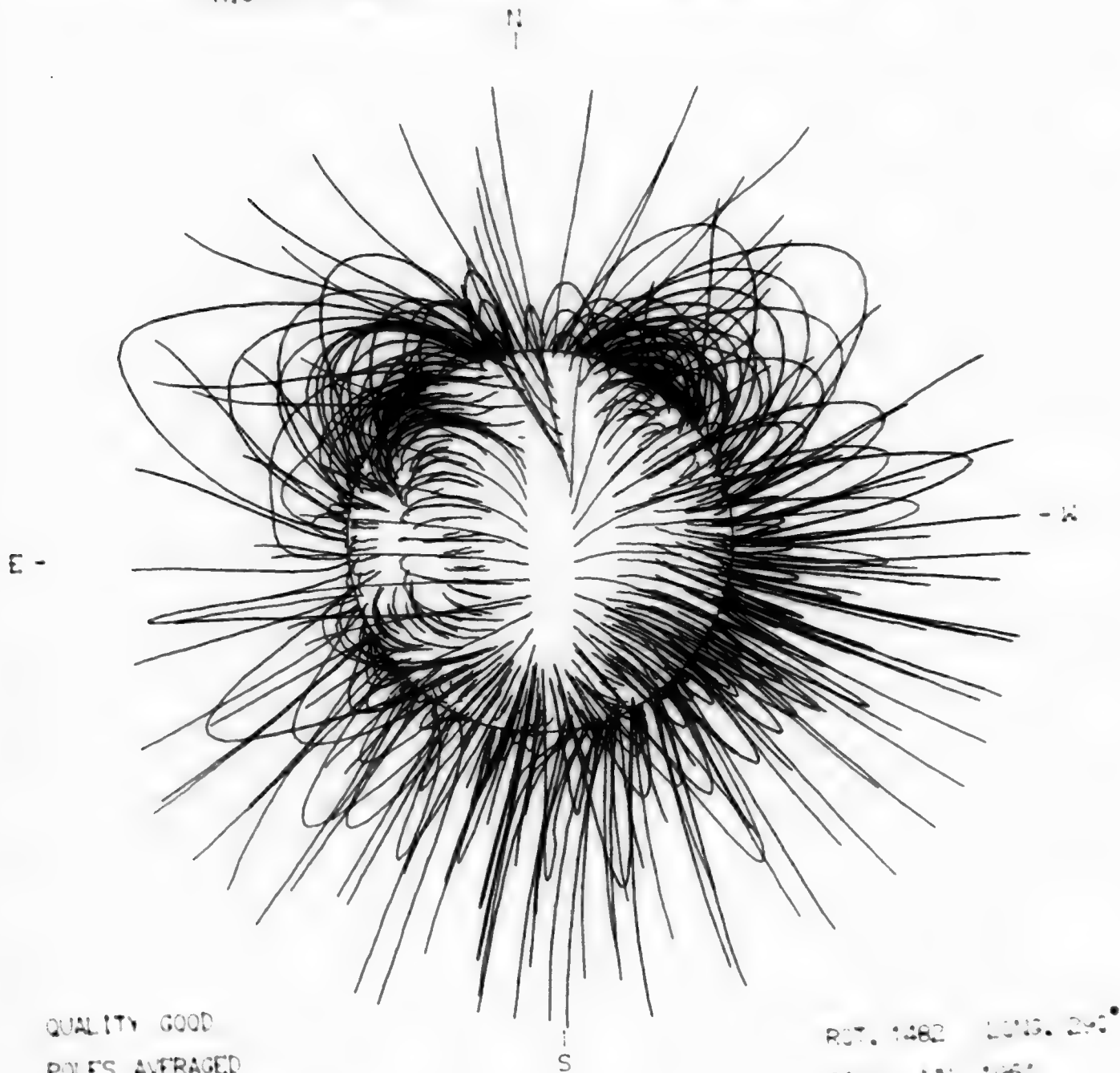


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

1
S

ROT. 1482 LONG. 300°
20.2 JUL 1964

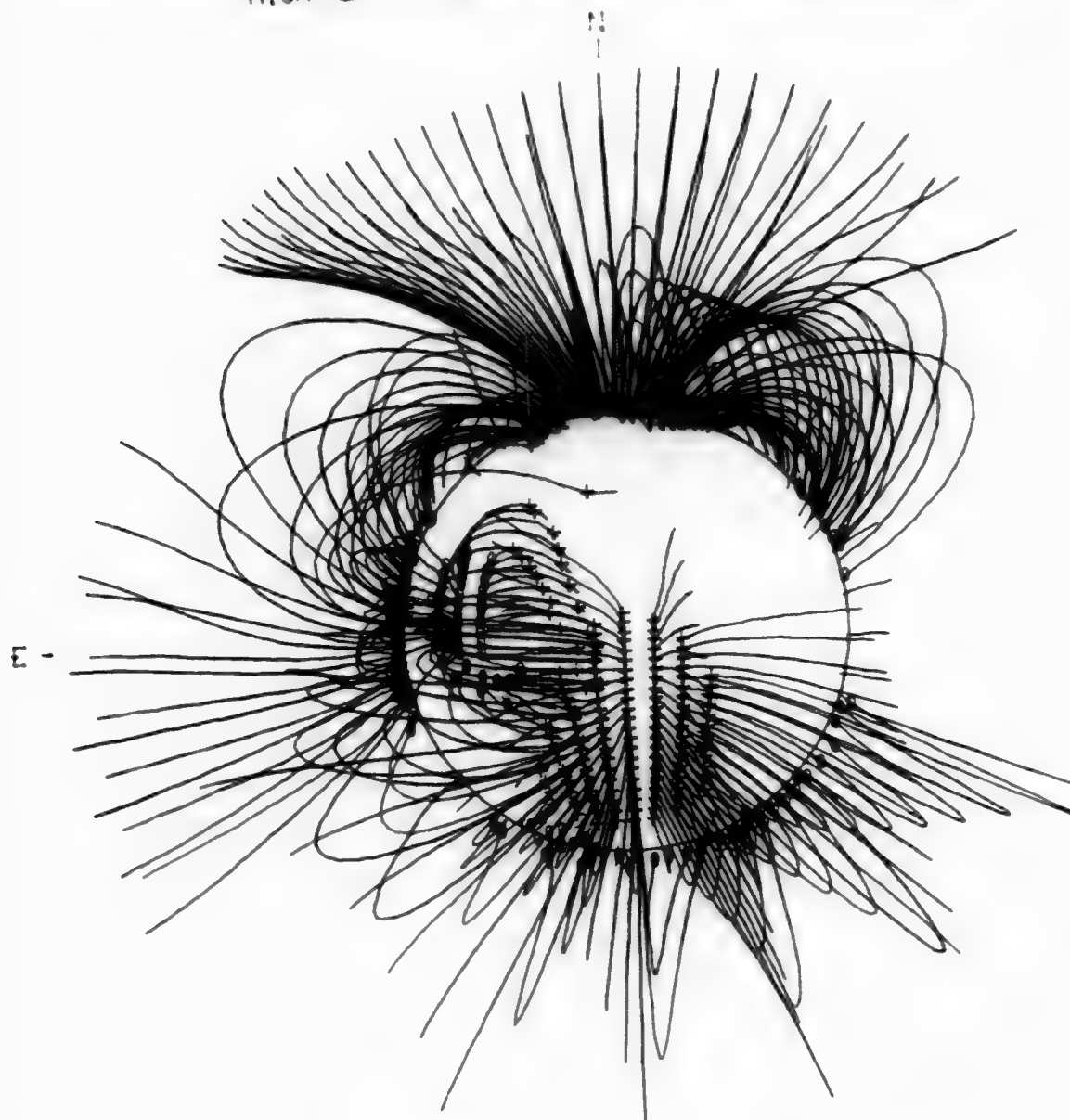
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1482 LONG. 240°
20.9 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

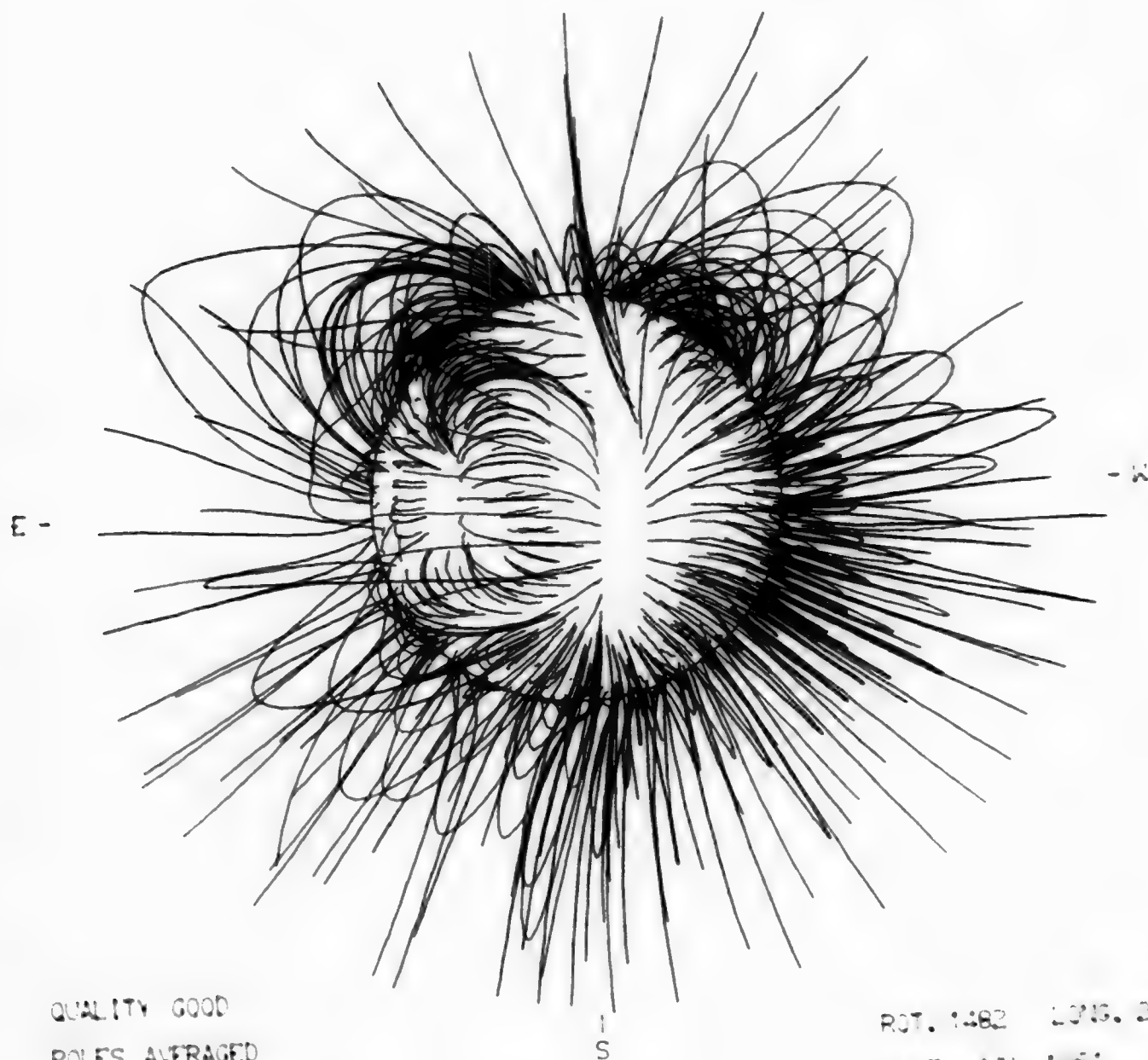


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1481.42

1
 S

ROT. 1482 LONG. 290°
 20.9 JUN 1964

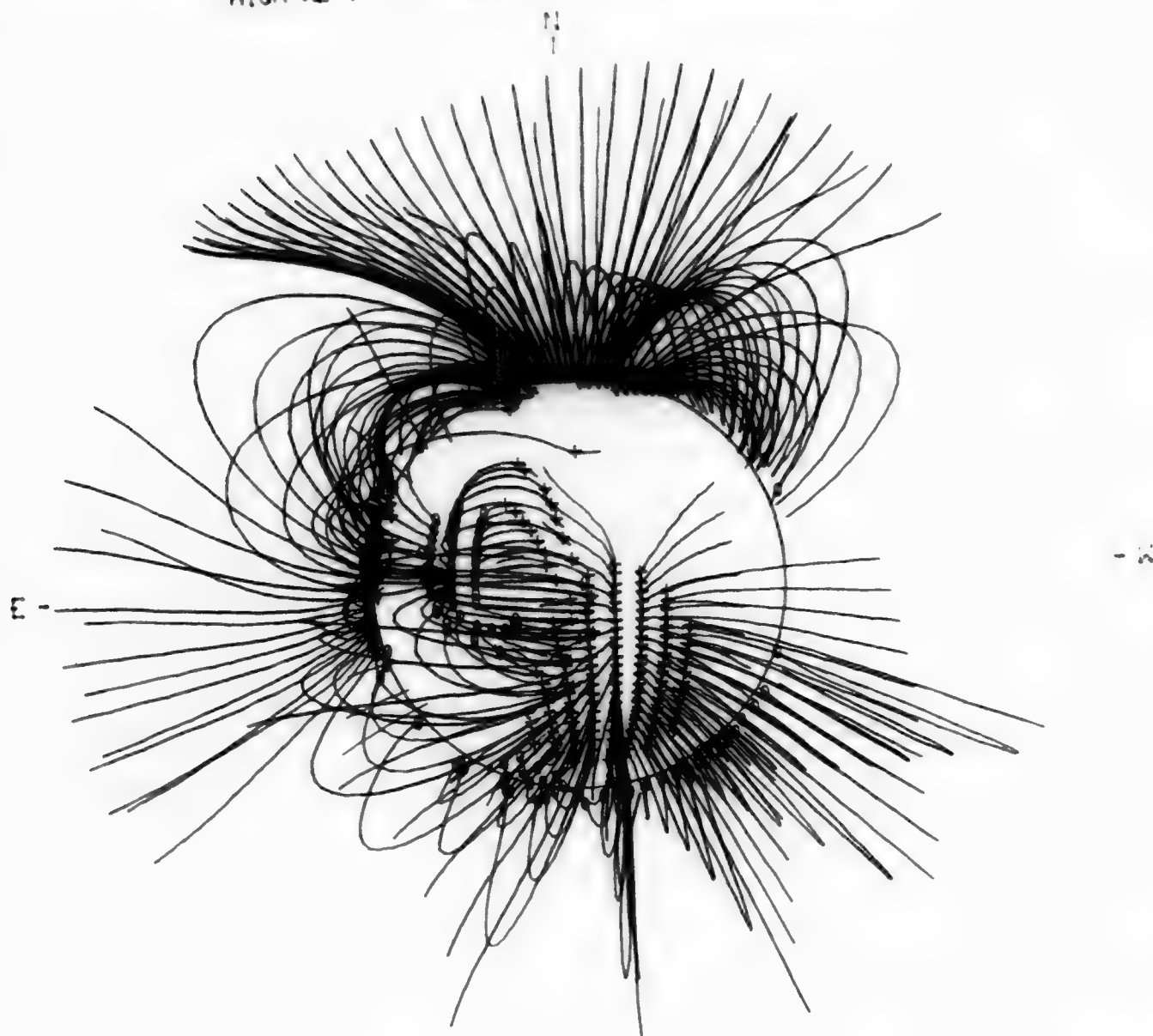
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1482 LONG. 281°
21.7 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

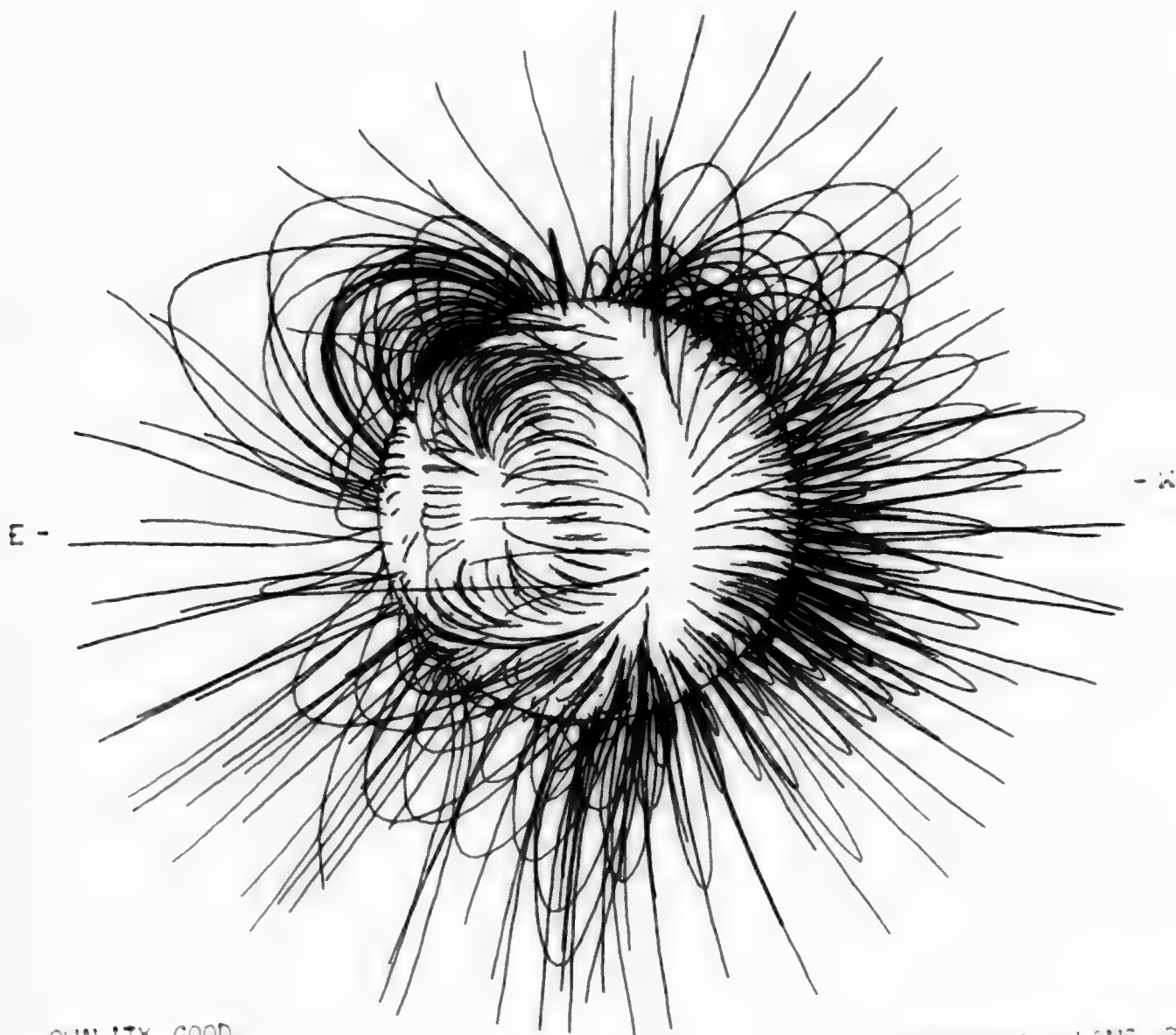


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

1
S

ROT. 1482 LONG. 280°
21.7 JUL 1964

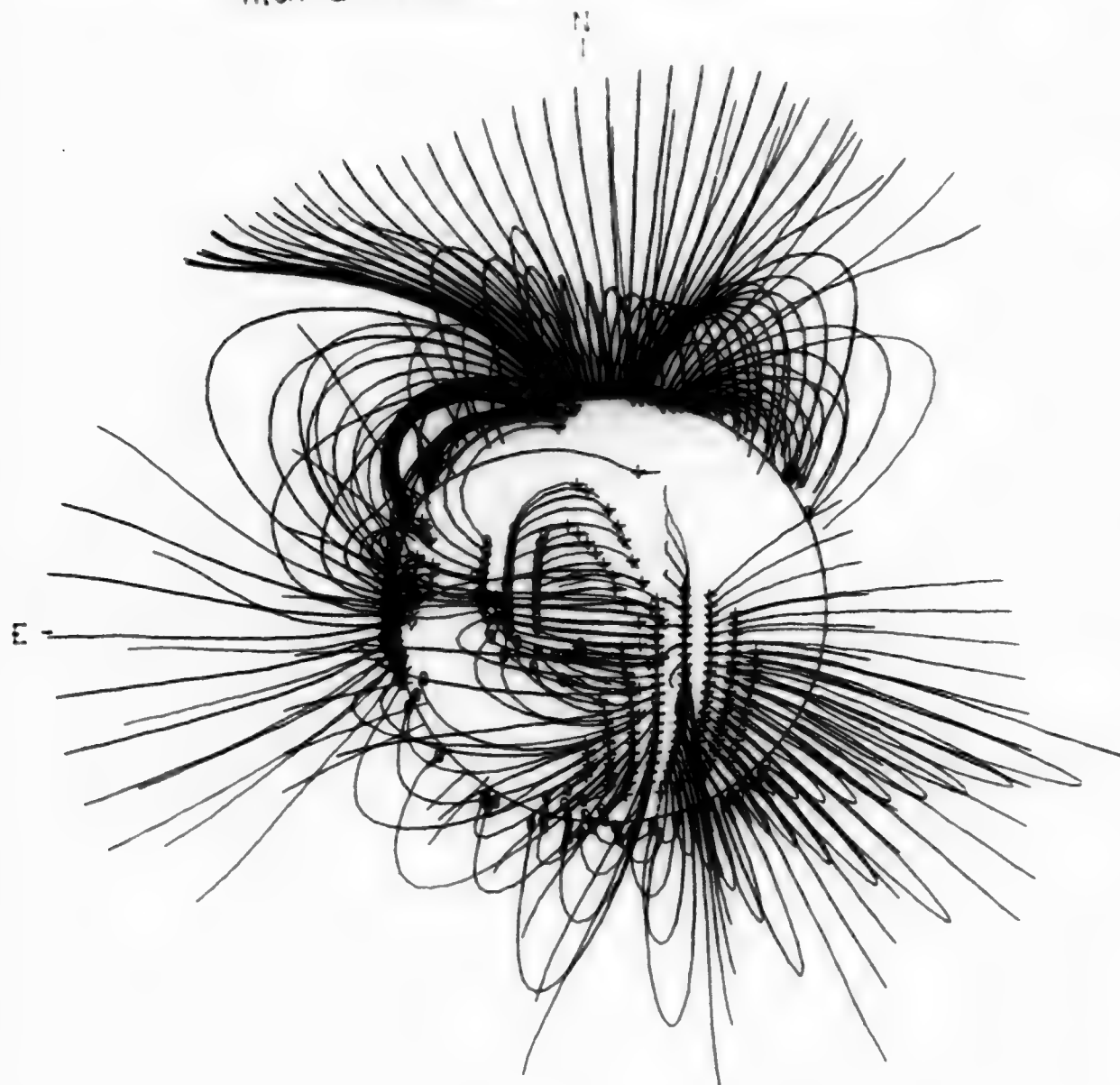
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1482 LONG. 270°
22.4 JUN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

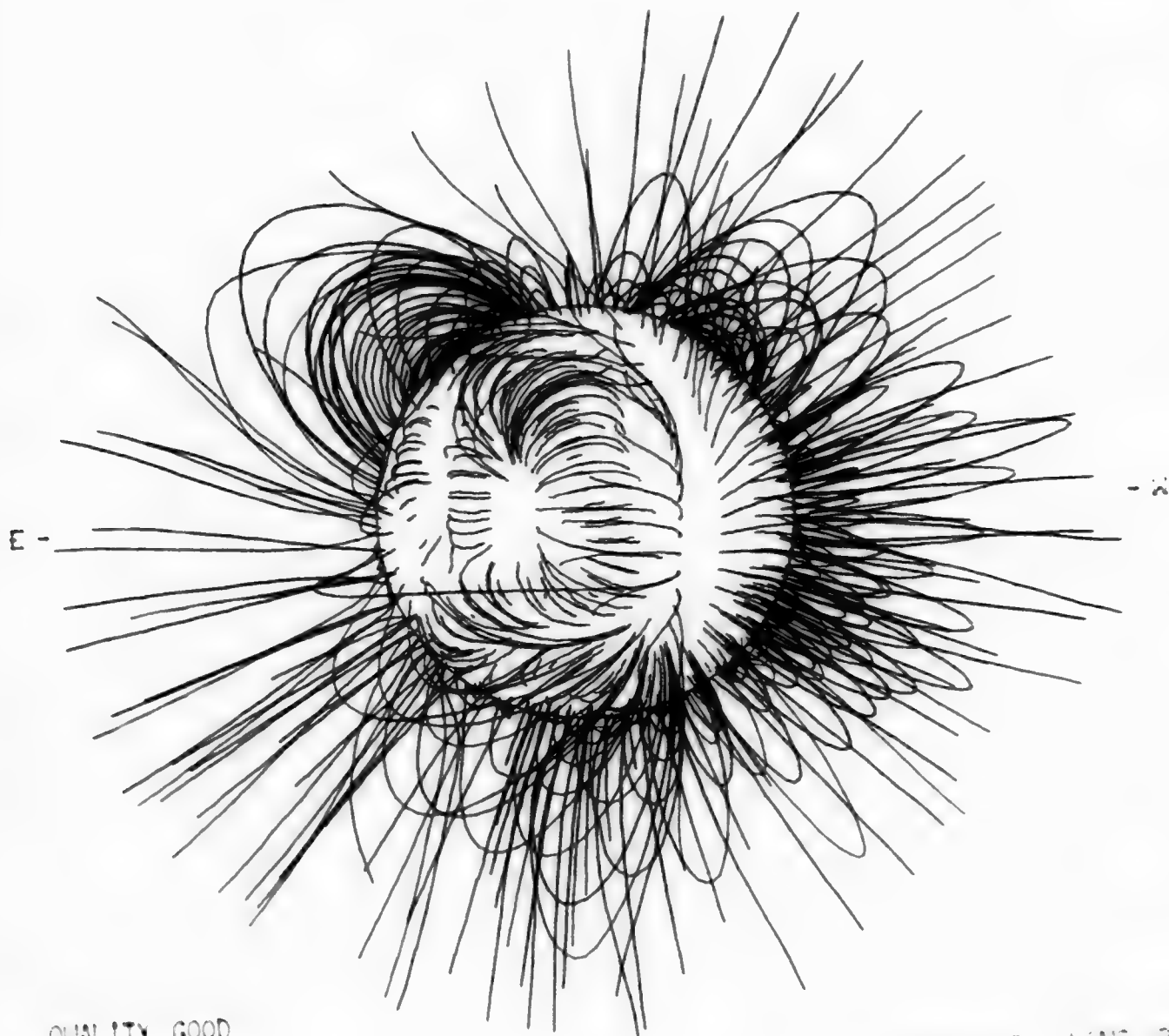


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

1
S

ROT. 1482 LONG. 270°
22.4 100 1984

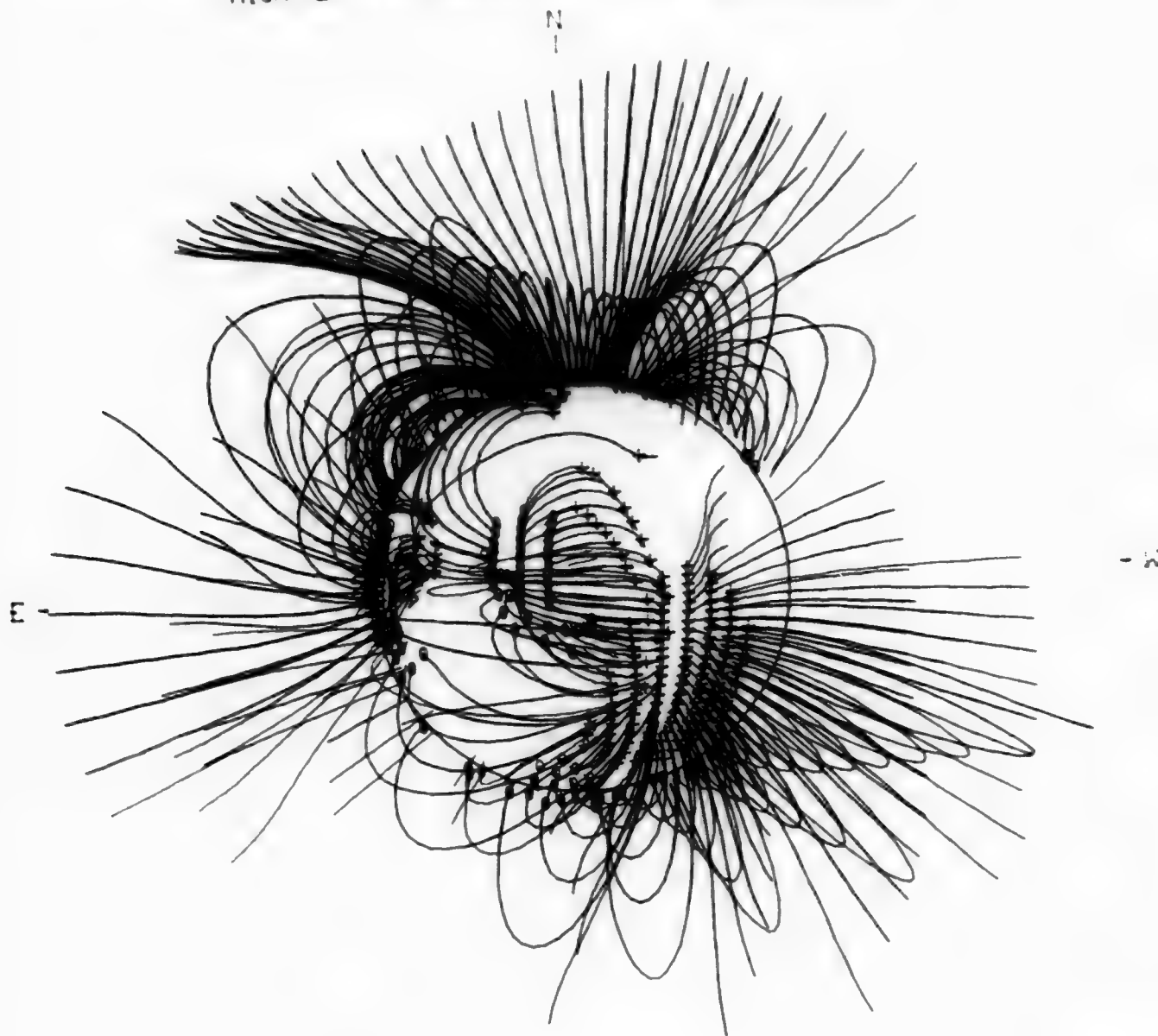
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1482 LONG. 250°
23.2 JUN 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

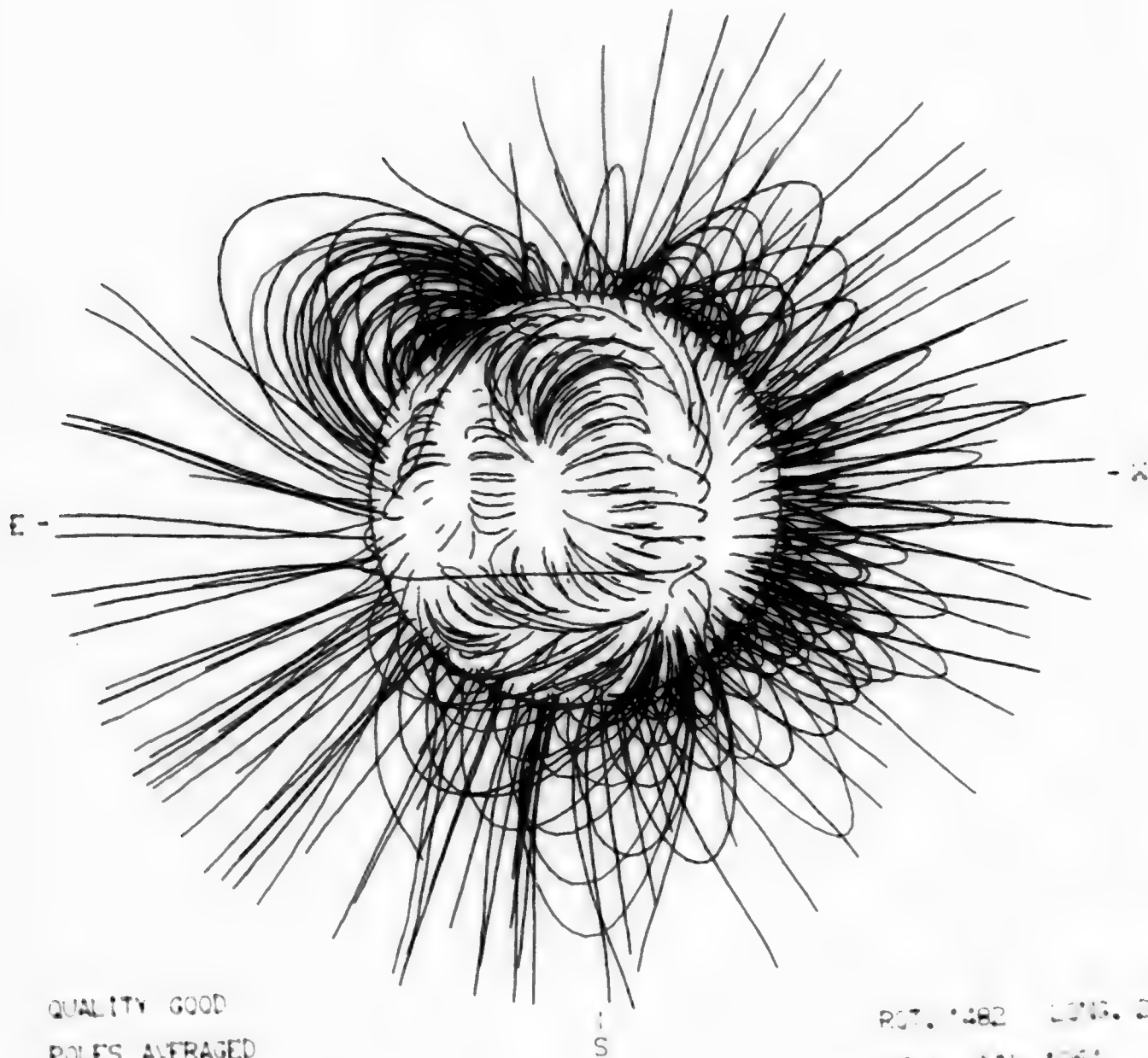


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1481.42

I
 S

ROT. 1482 1915.280°
 23.2 171 1482

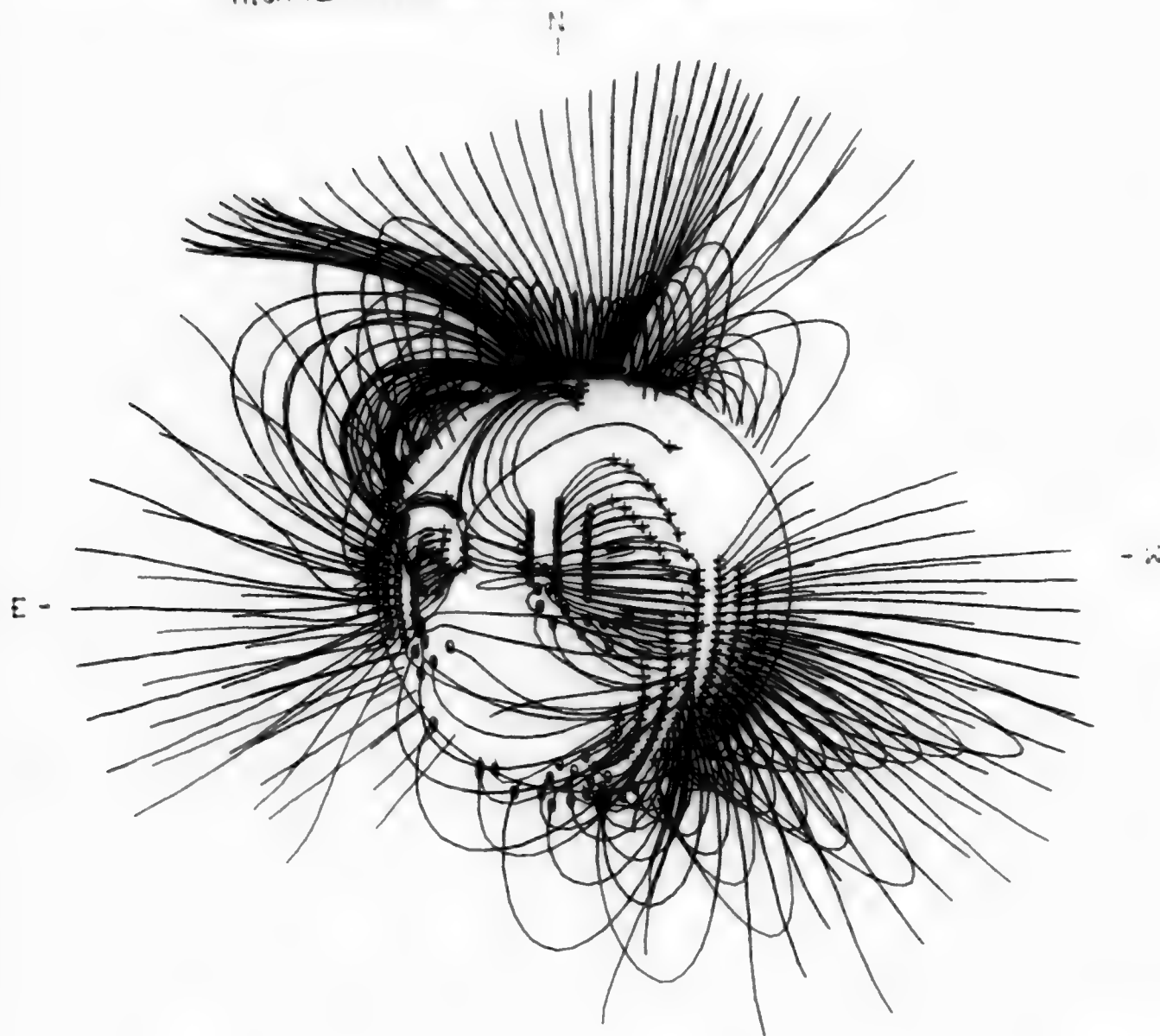
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1482 LONG. 250°
23.9 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

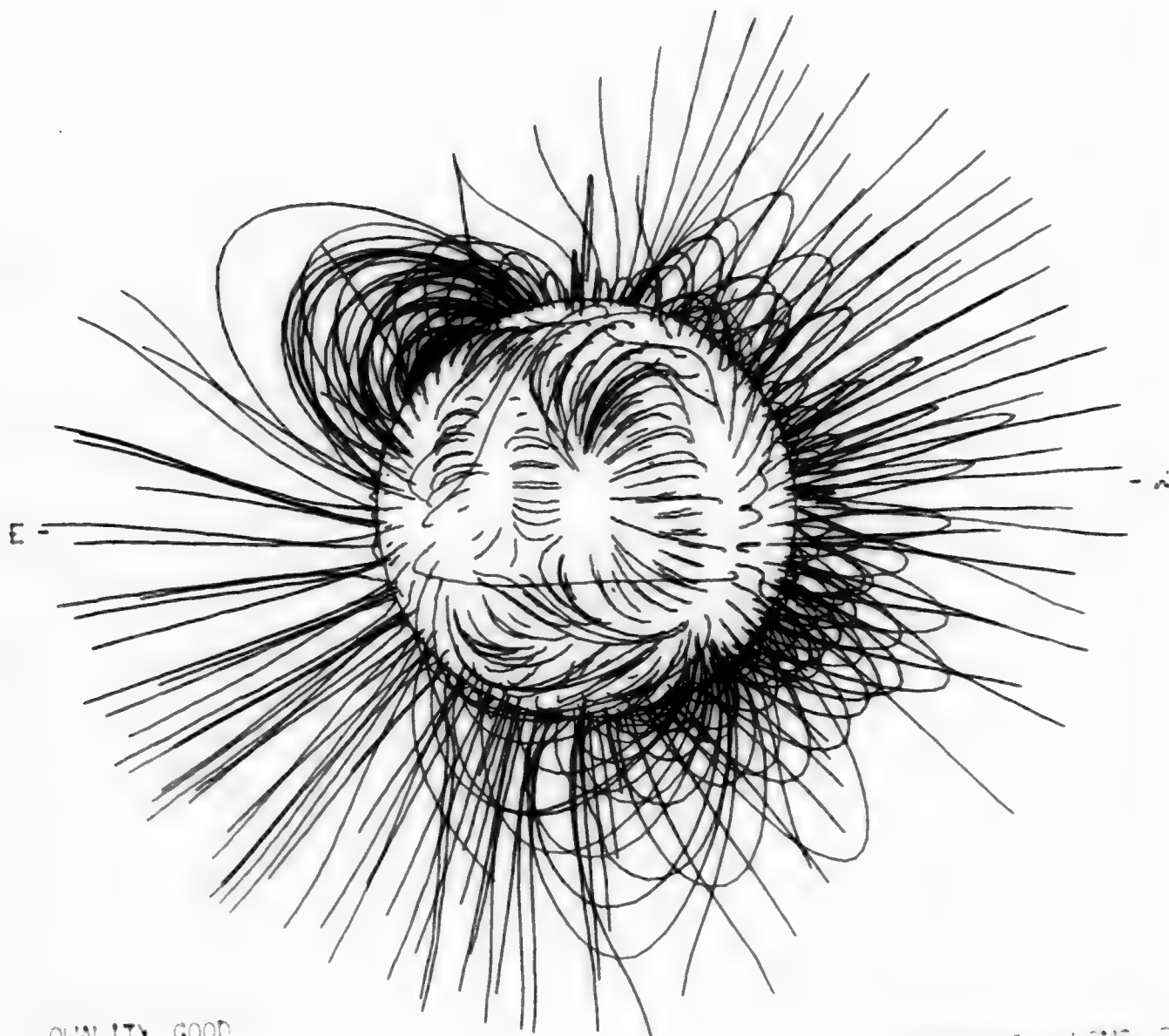


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

1
S

ROT. 1482 LONG. 251°
23.9 JUN 1964

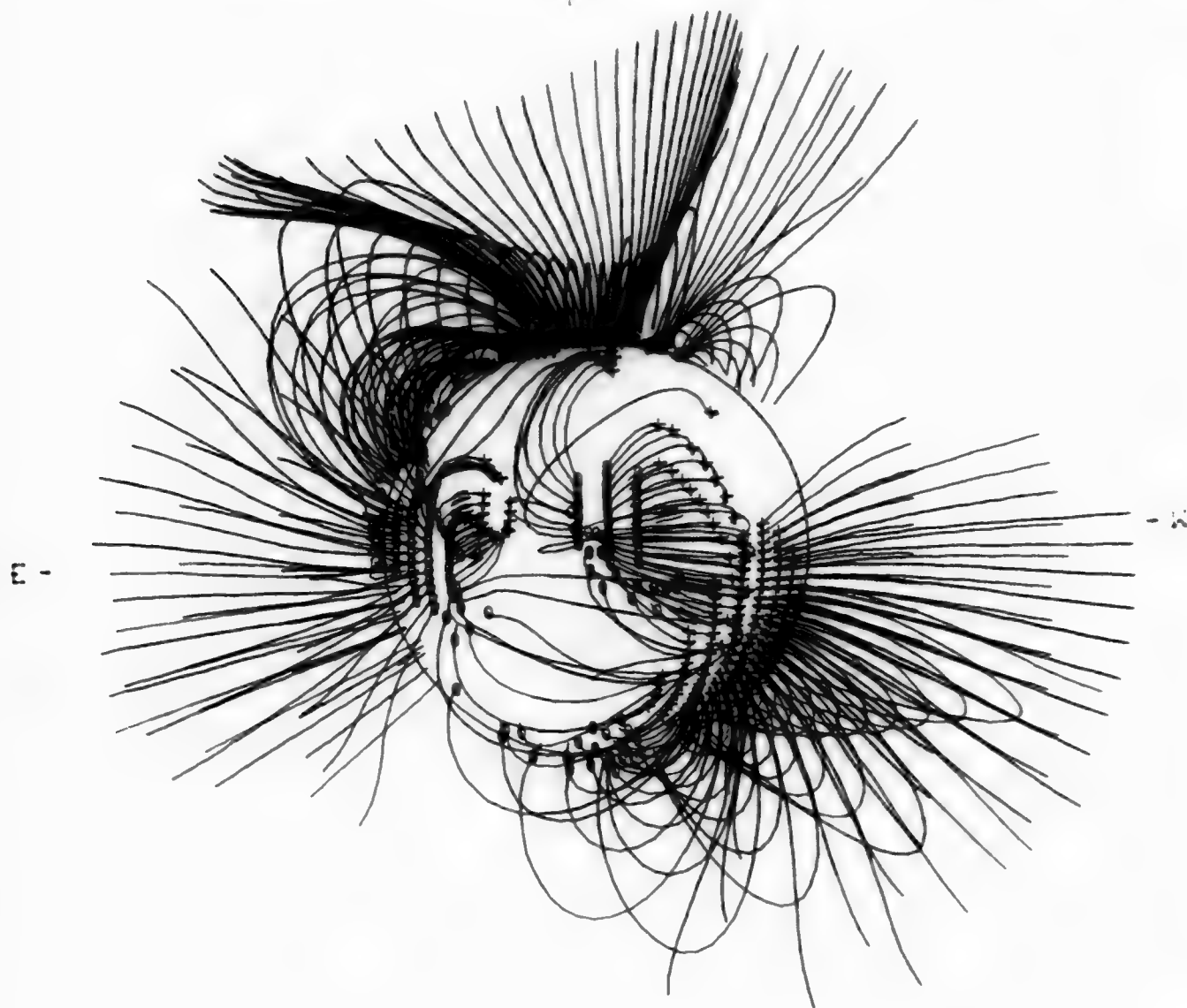
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

RET. 1482 2016.241°
24.7 0.71 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

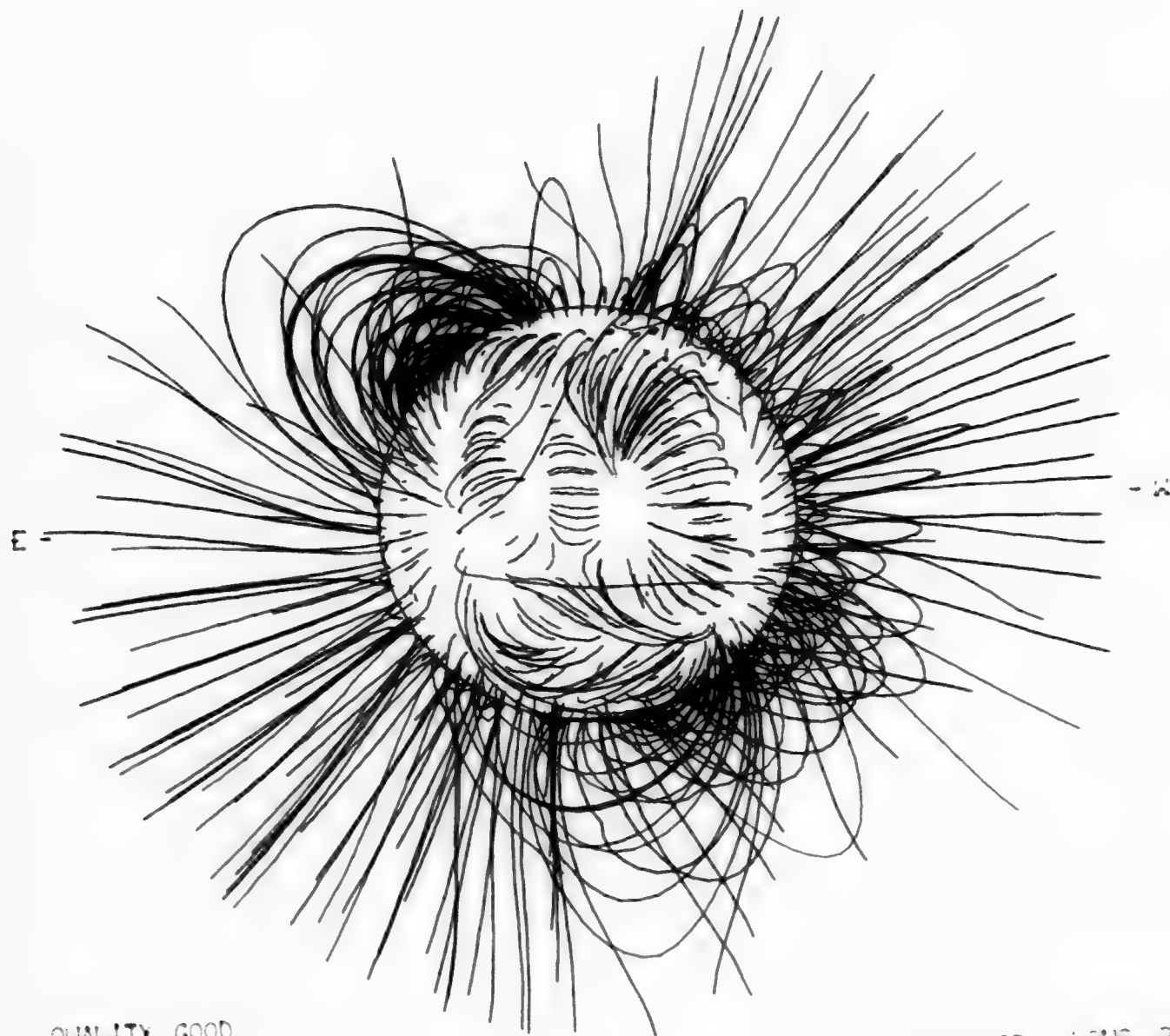


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

1
S

ROT. 1482 LONG. 240°
24.7 00: 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1482 LONG. 250°
25.5 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

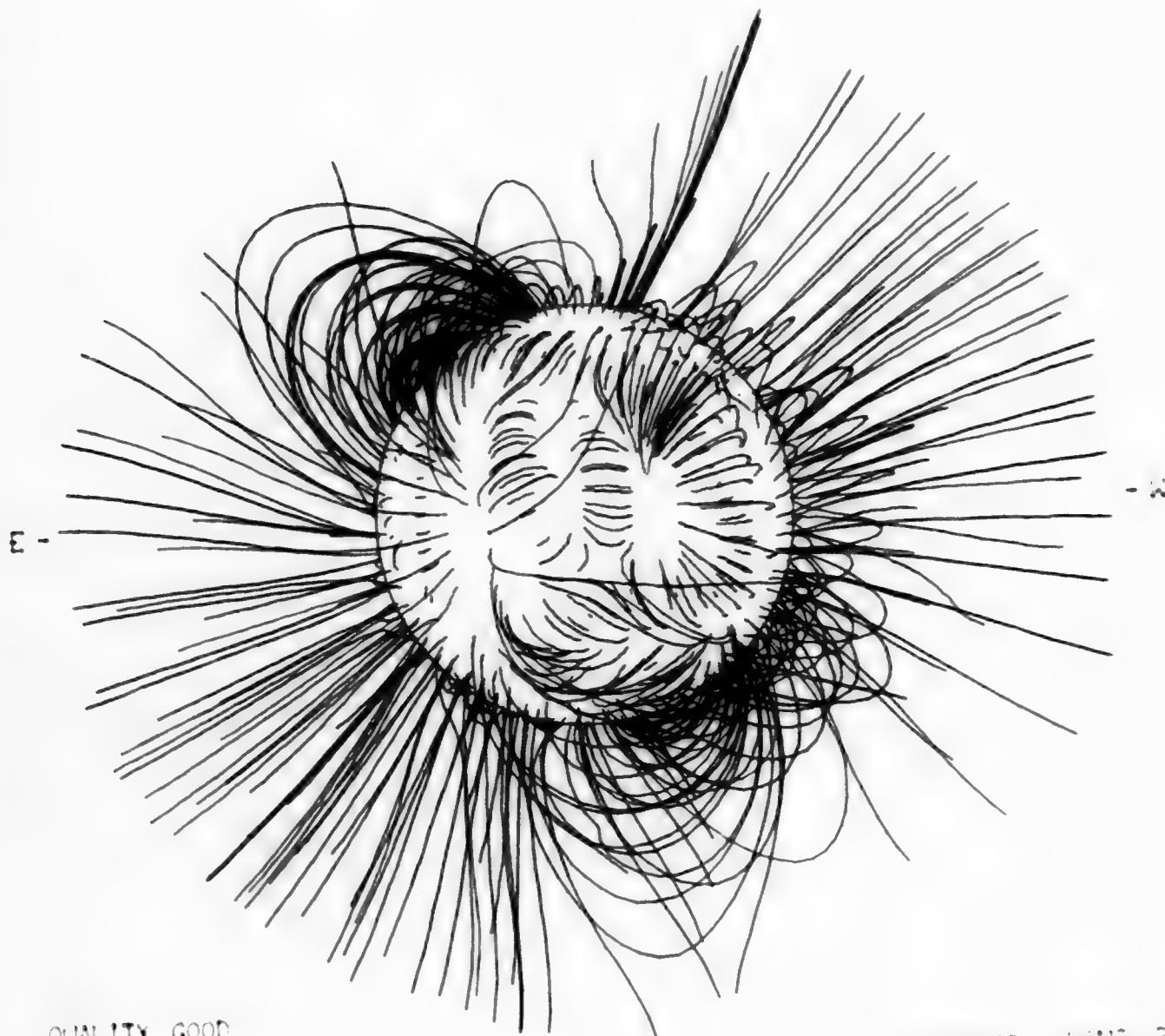


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.81.42

1
S

ROT. 1482 LONG. 250°
25.5 JUL 1964

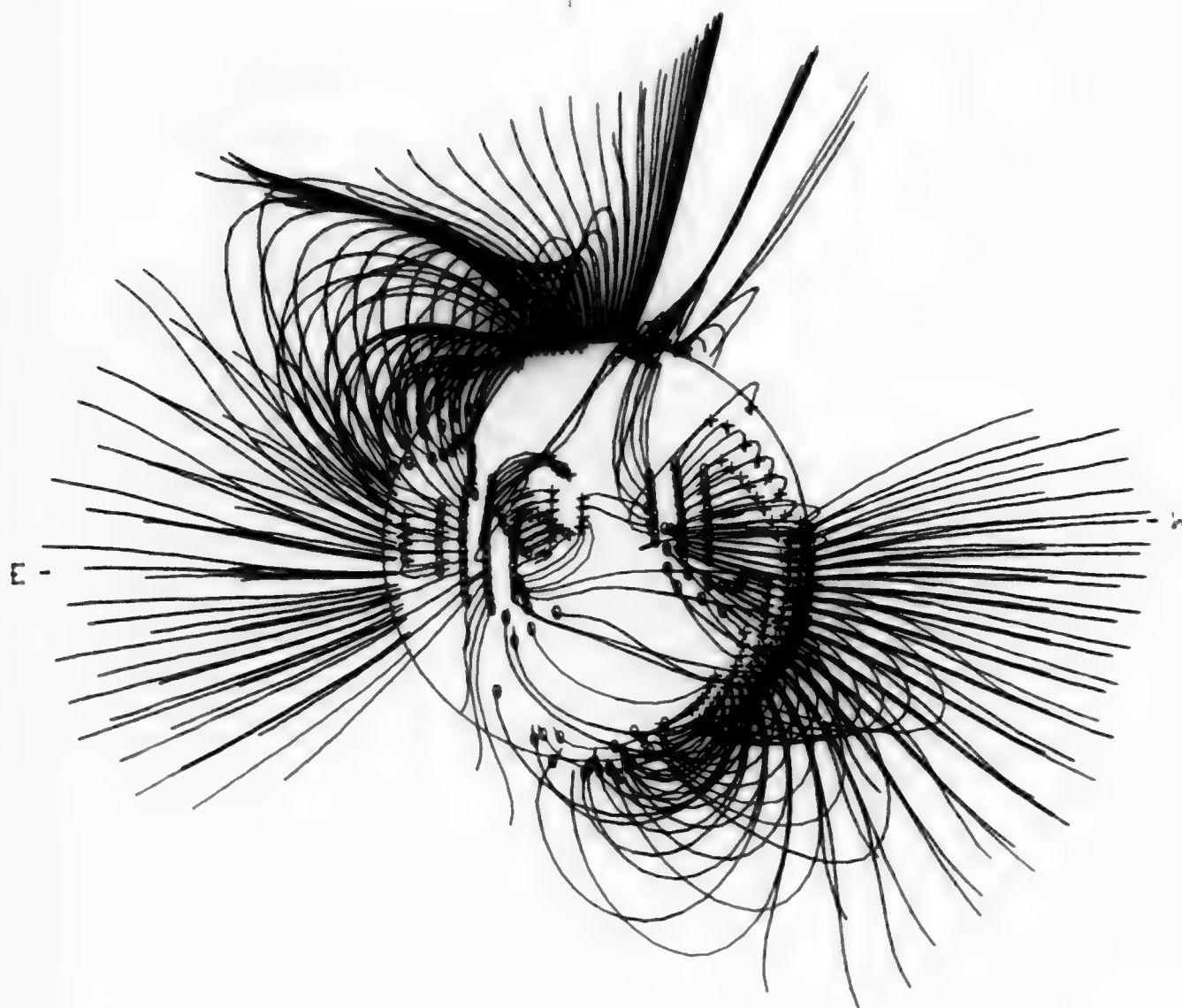
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1482 LONG. 220°
25.2 131 144

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

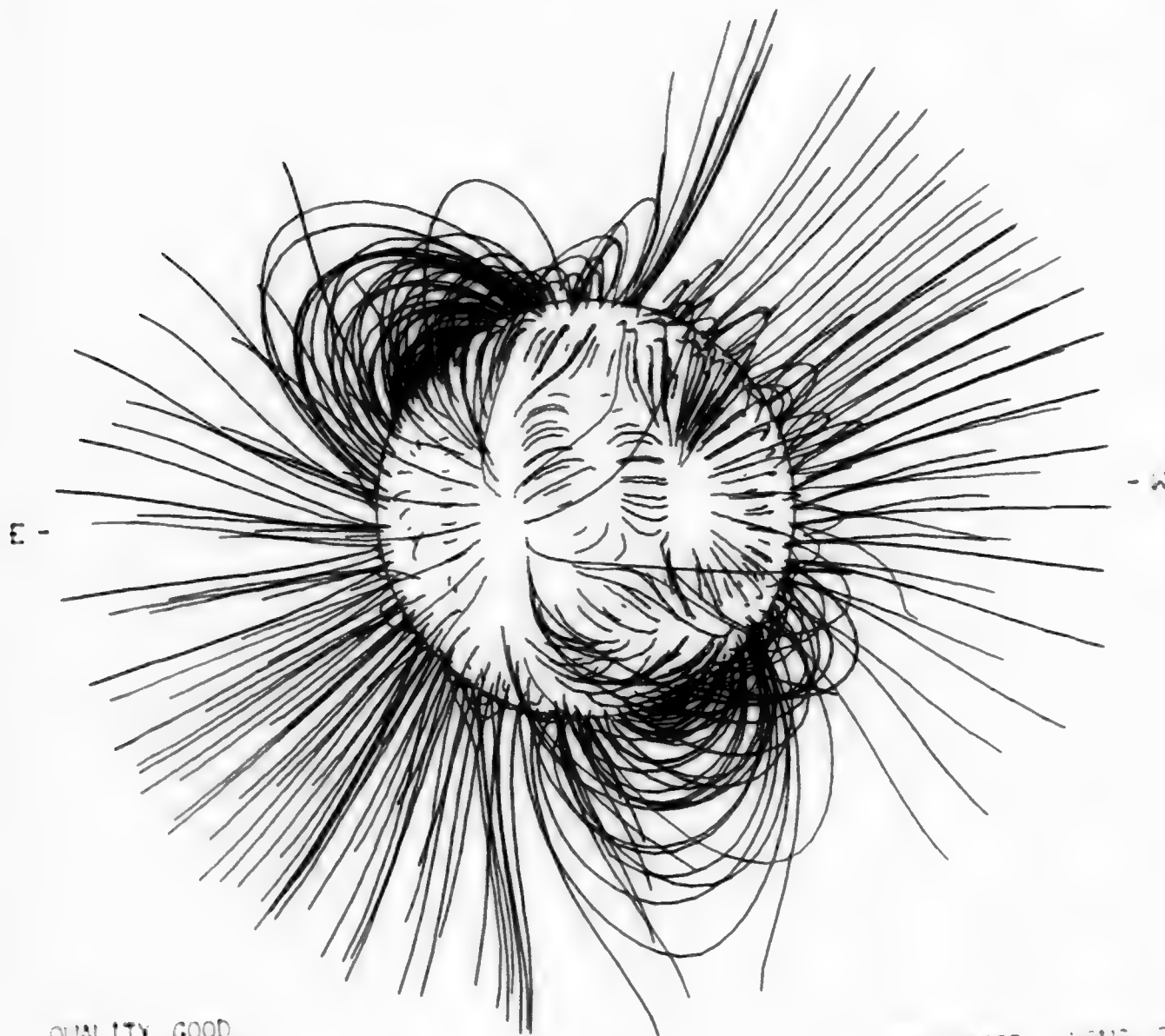


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1481.42

1
 S

ROT. 1482 LONG. 221°
 26.2 JUN 1964

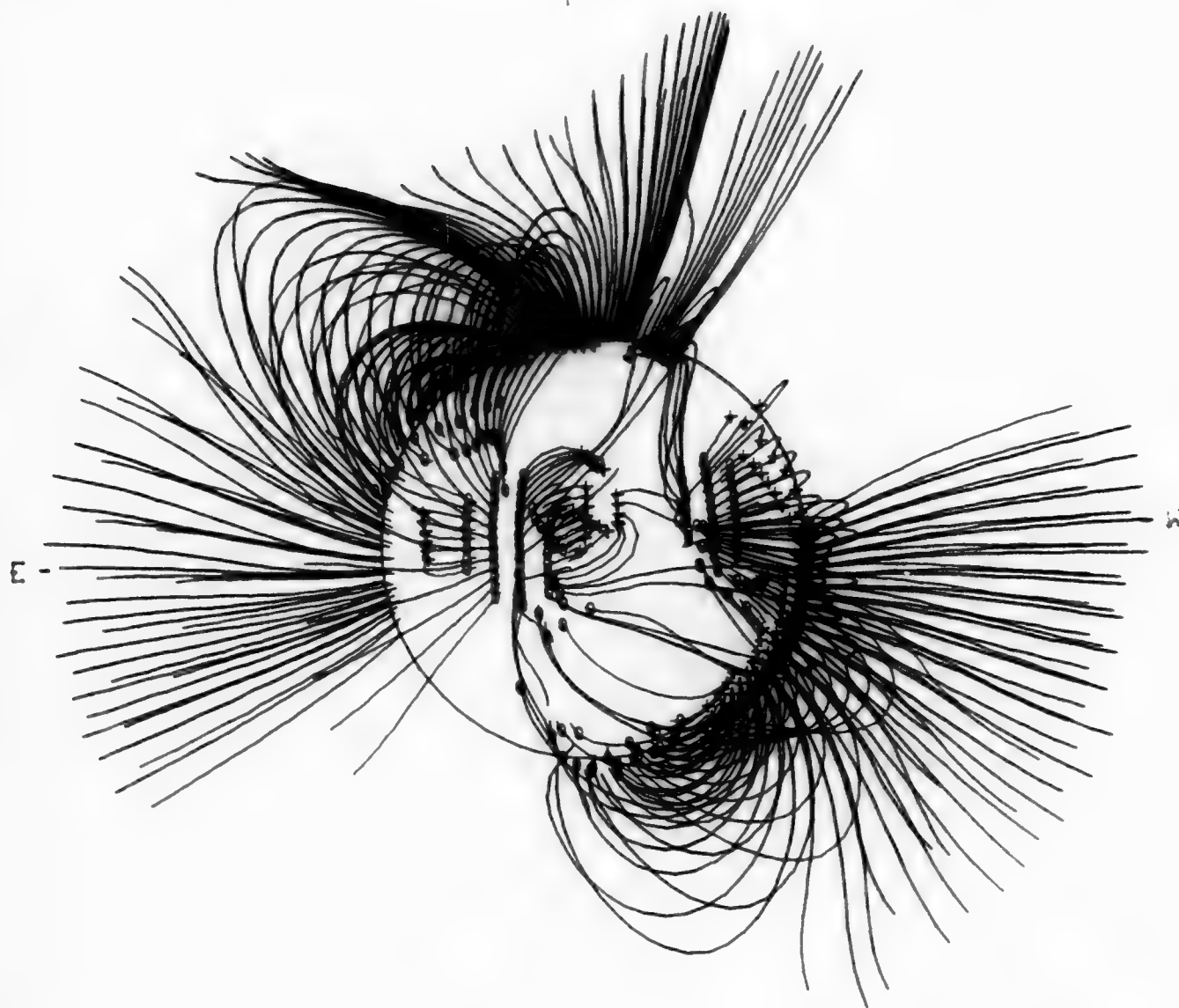
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1481.42

ROT. 1482 LONG. 2°0'
27.0 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



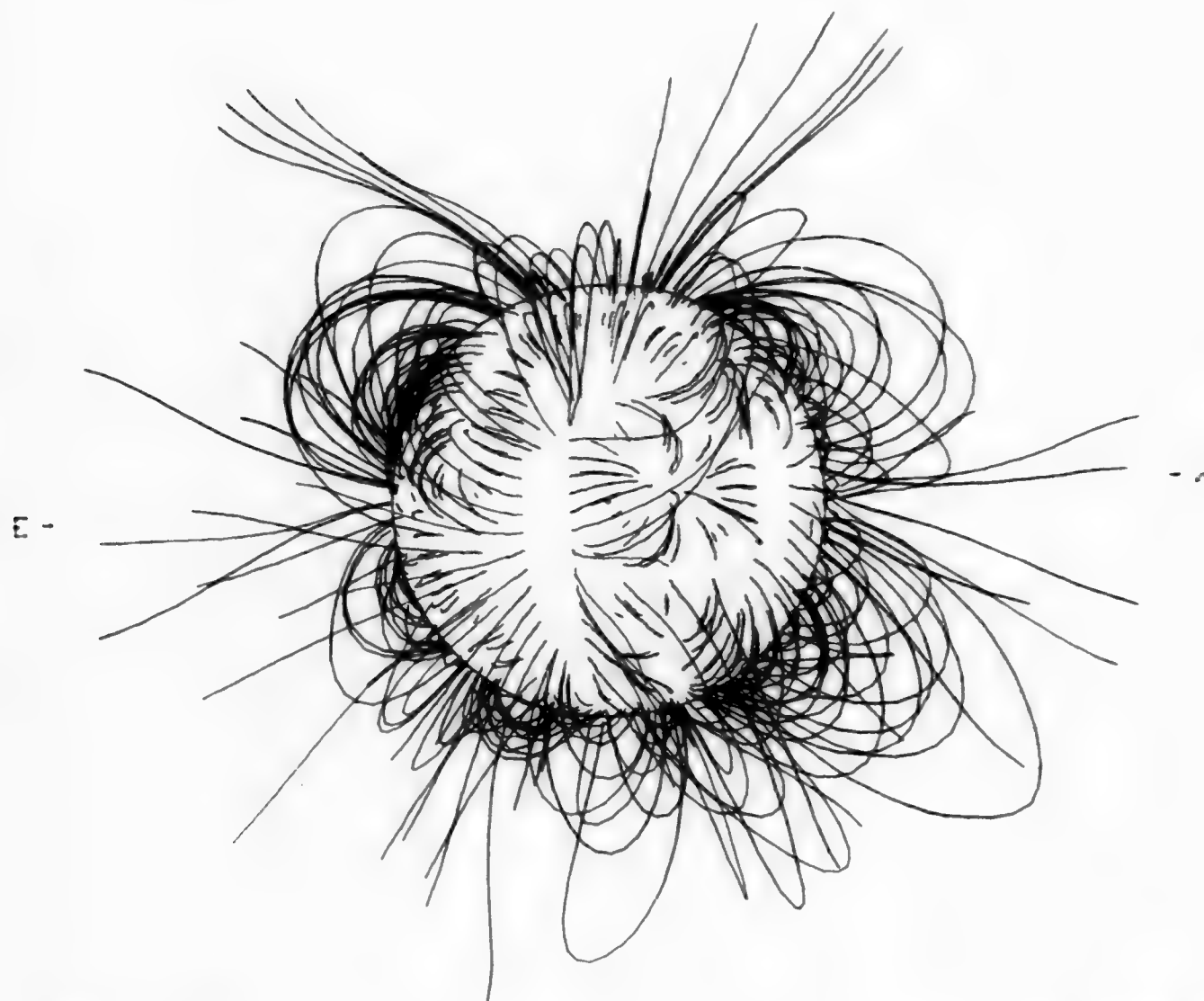
QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1481.42

1
 S

ROT. 1482 LONG. 21°
 27.0 JUN 1962

NO OBSERVATIONS
ROT. 1482 LONG. 200--ROT. 1482 LONG. 0
27.0 JUN 1964--12.9 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

1
S

RET. 1483 LONG. 55°
13.5 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

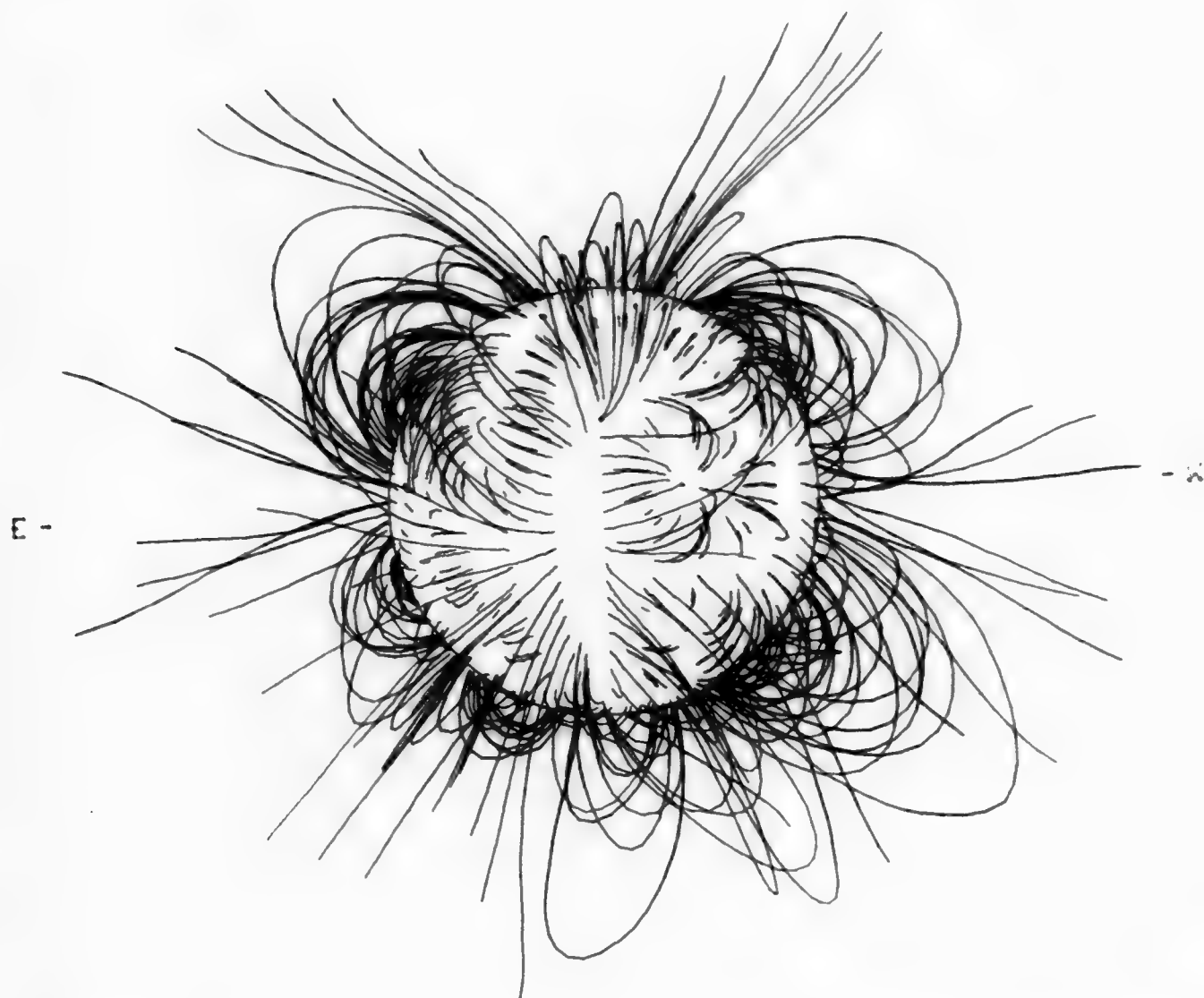


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.83.00

1
S

RET. 1.83 2015. 350°
13.5 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

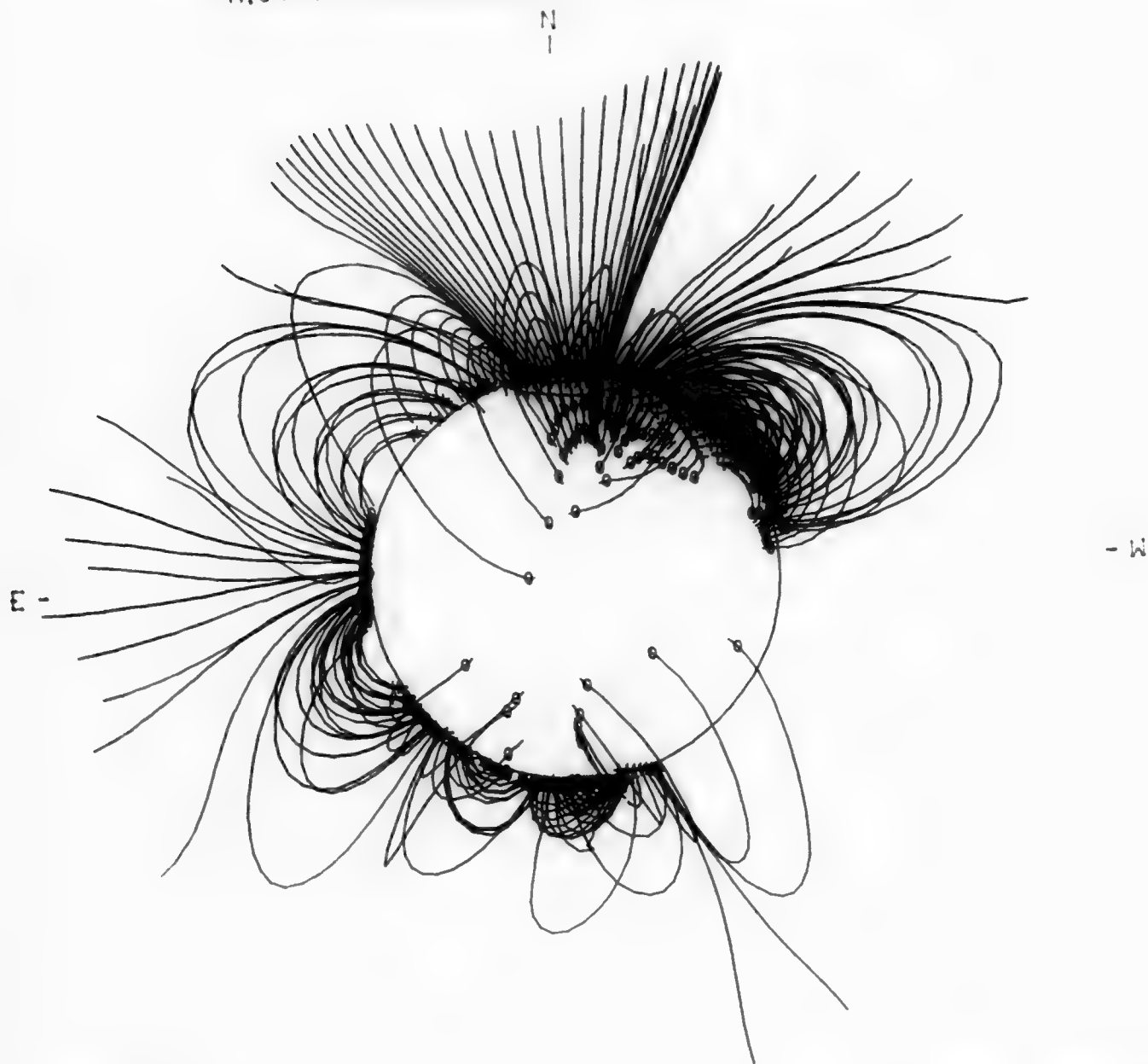


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

1
S

ROT. 1483 LONG. 321°
14.3 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

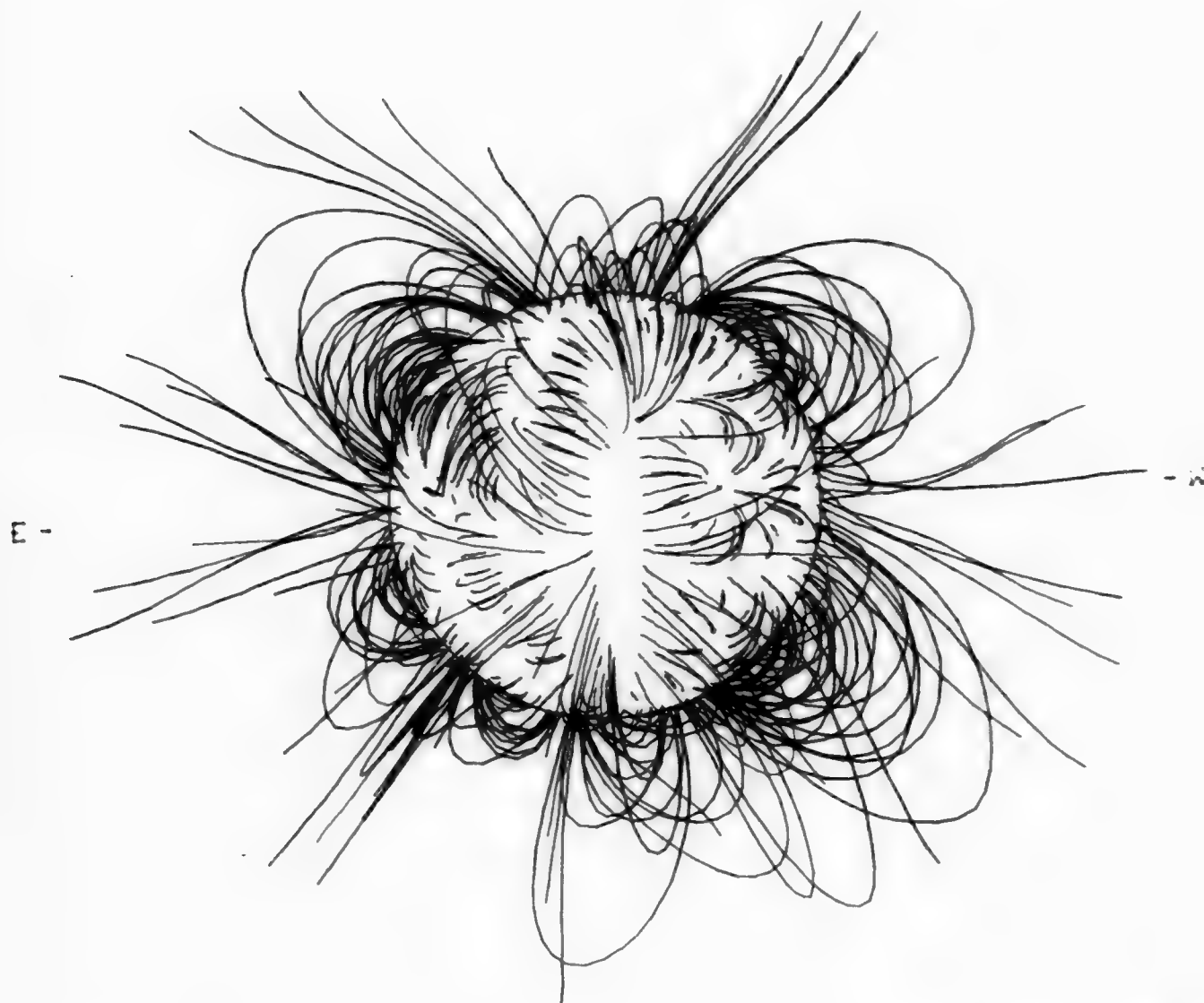


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

1
S

ROT. 1483 LONG. 340°
14.3 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

ROT. 1483 LONG. 33°
15.0 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

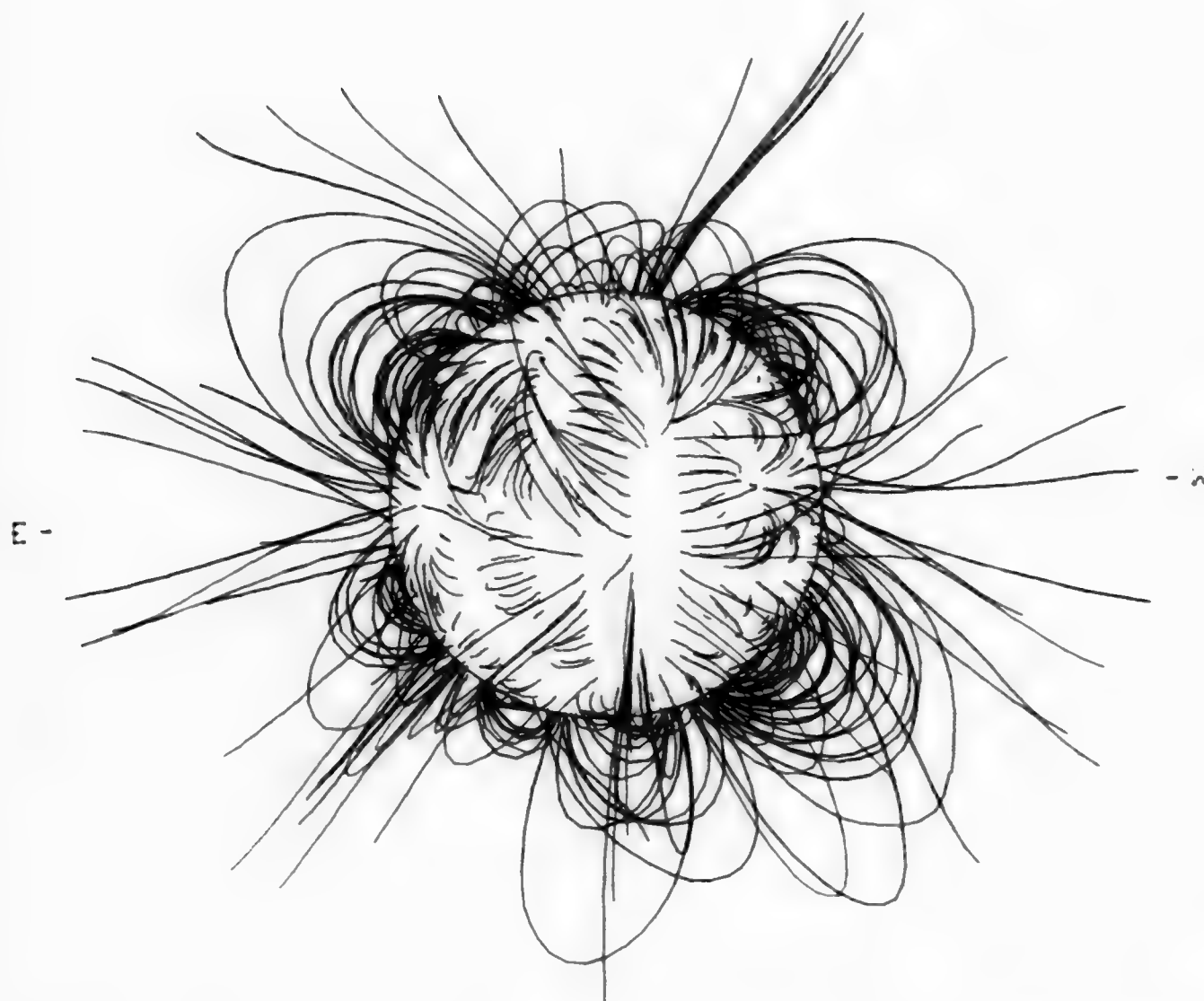


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1485.00

1
 S

ROT. 1485 LONG. 55°
 15.0 JUL 1962

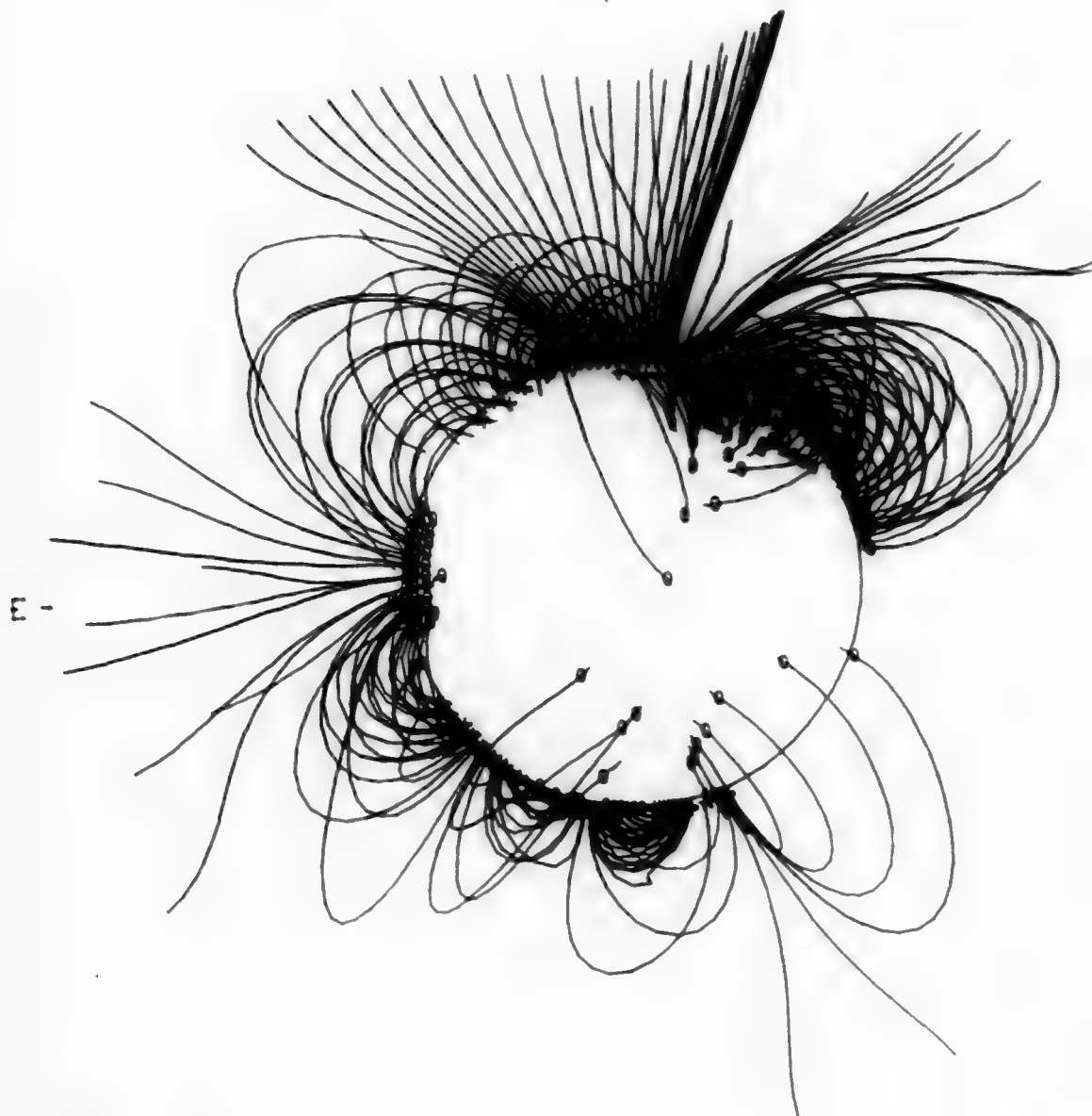
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

ROT. 1483 LONG. 301°
15.8 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



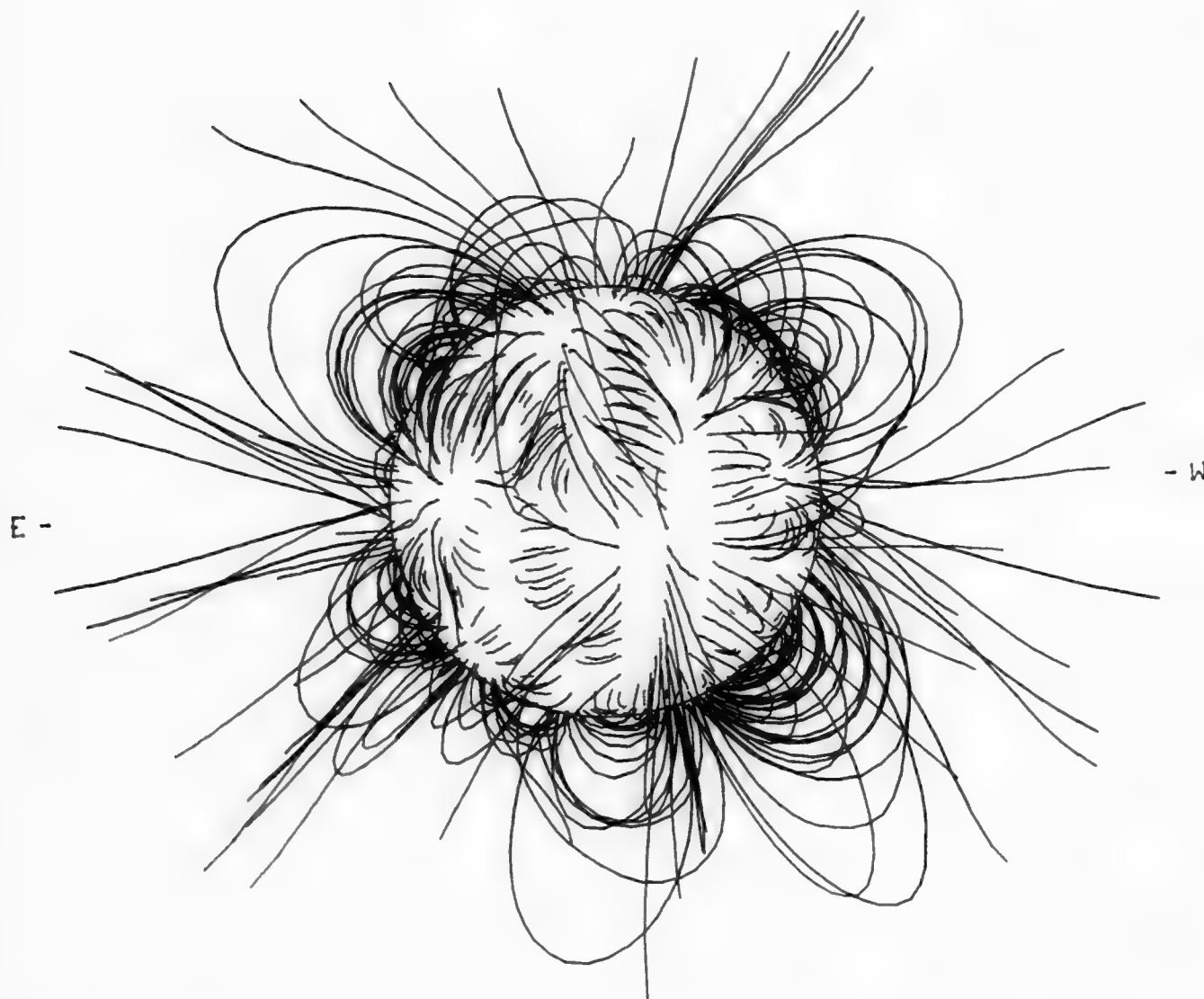
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

1
S

ROT. 1483 1015. 301°
15.8 11 1994

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I

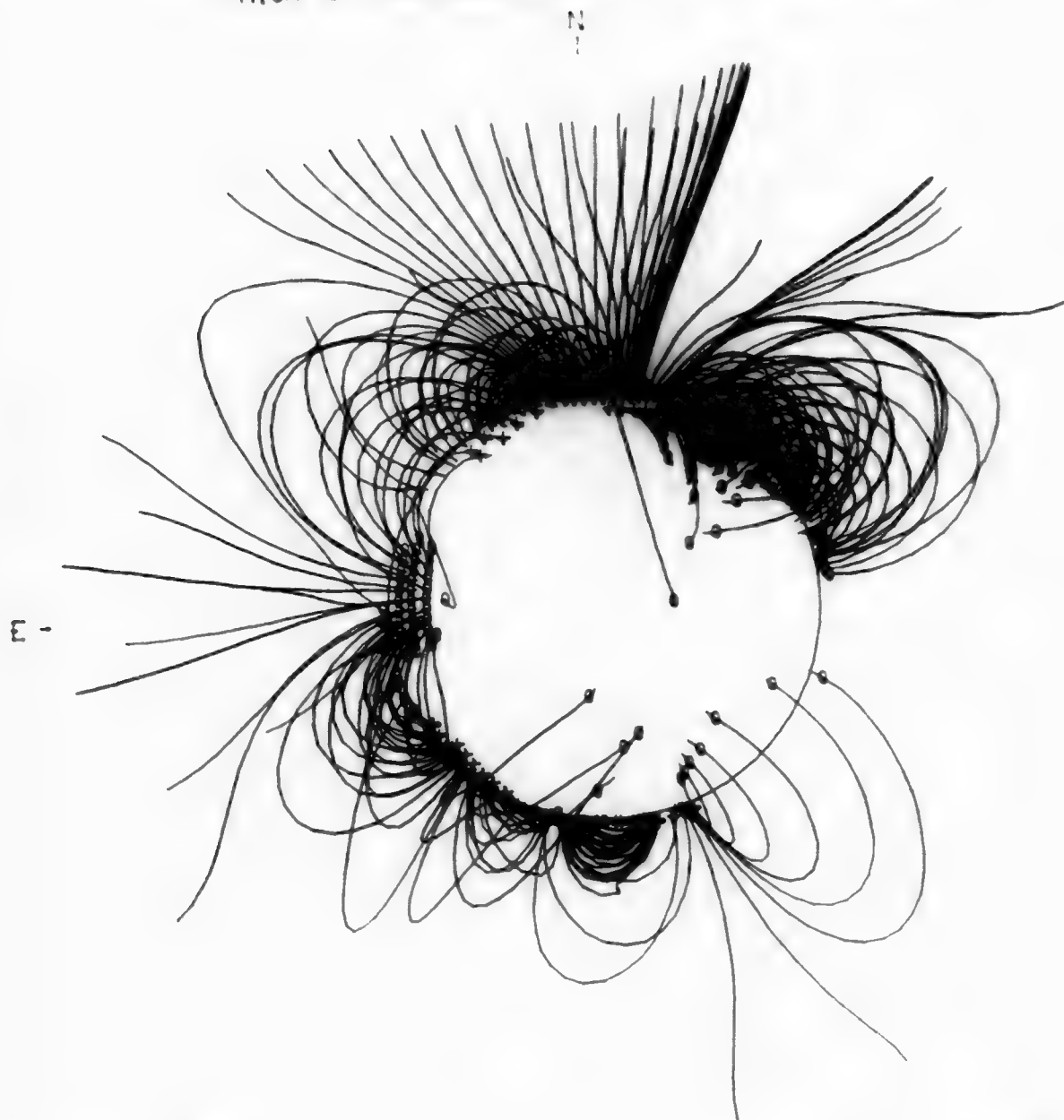


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

I
S

ROT. 1483 LONG. 310°
16.6 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

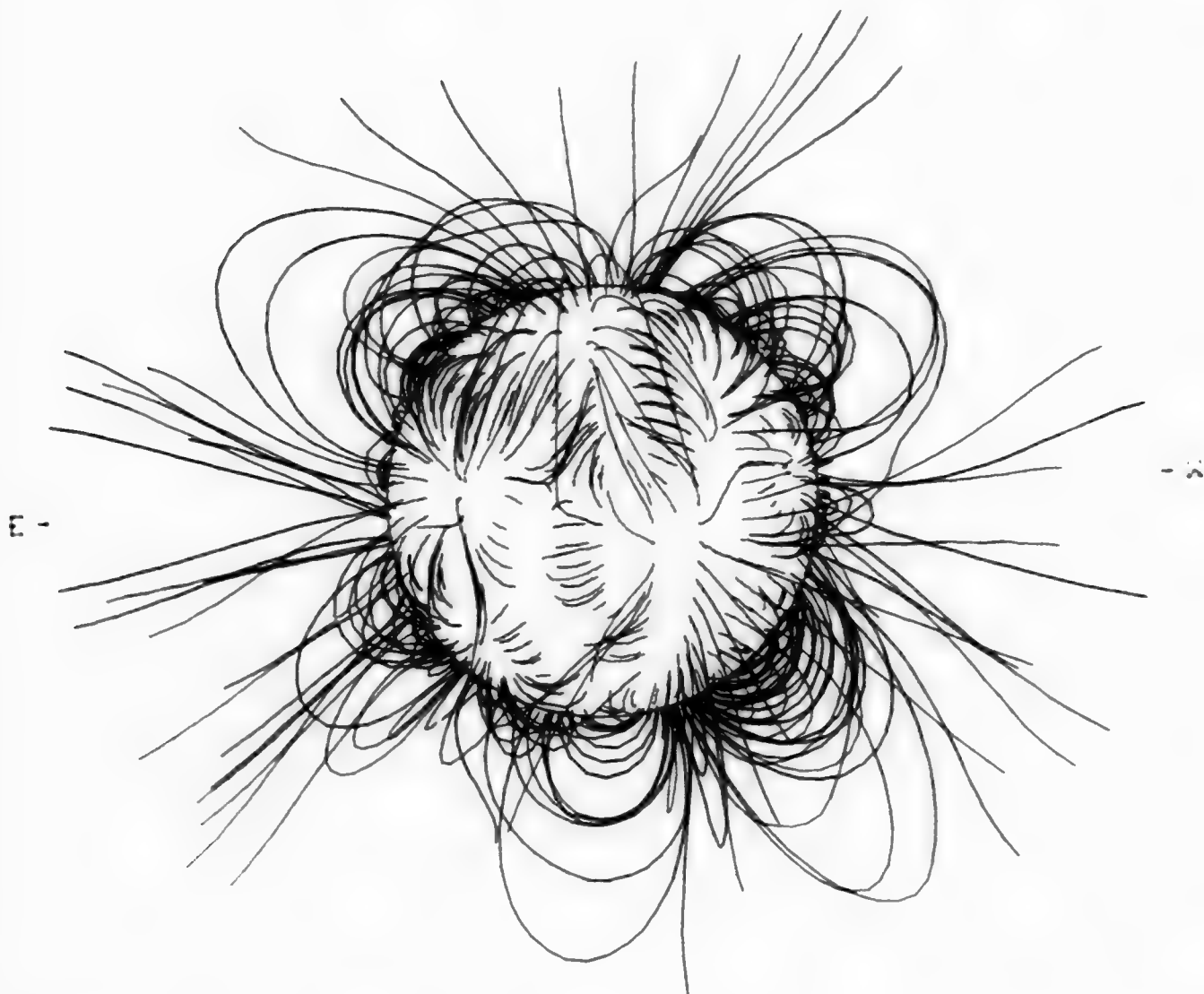


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1483.00

1
 S

R.T. 1483 1416.51°
 16.6 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

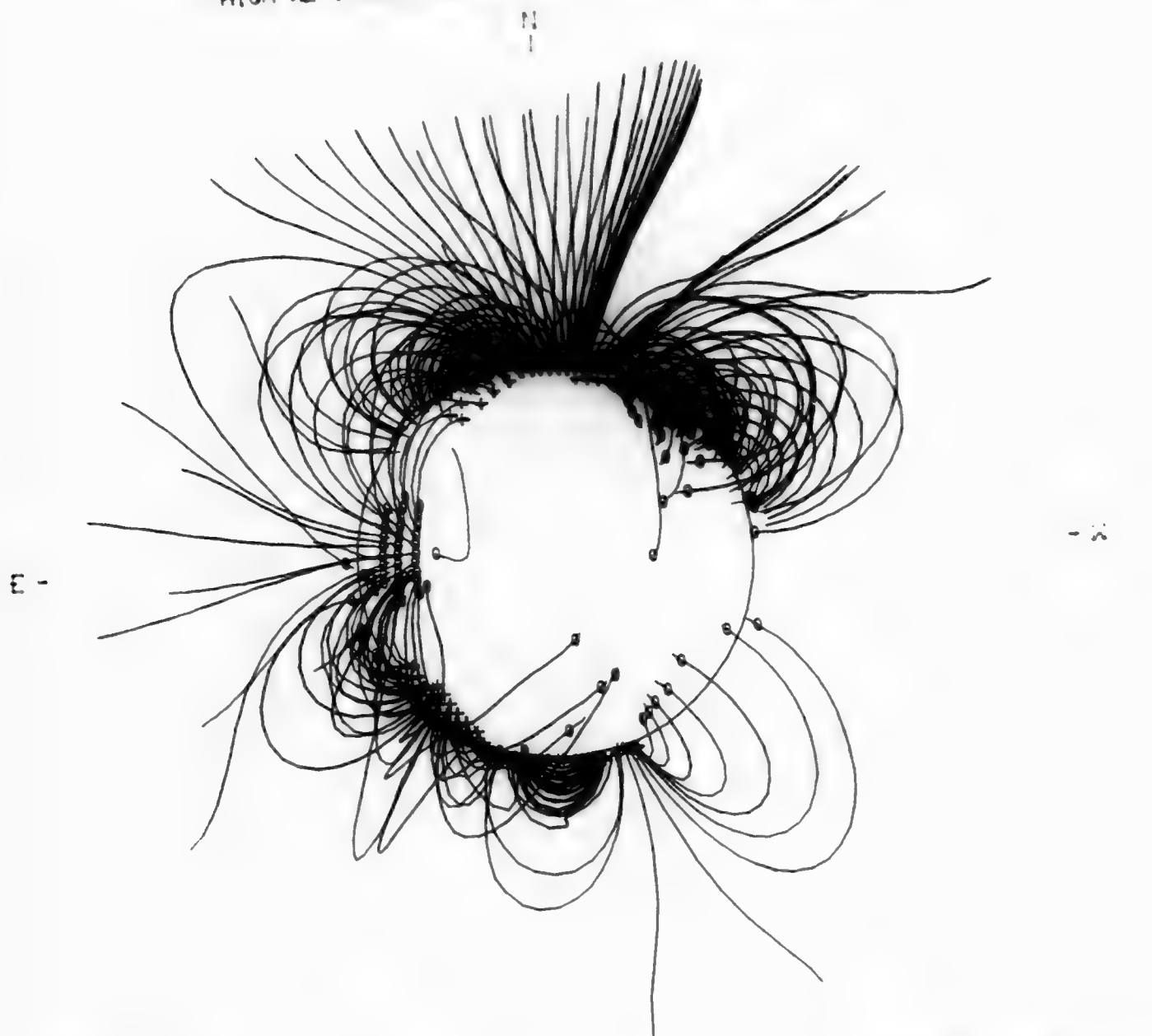


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

S

RCT. 1483 LONG. 300°
17.3 JUL 1964

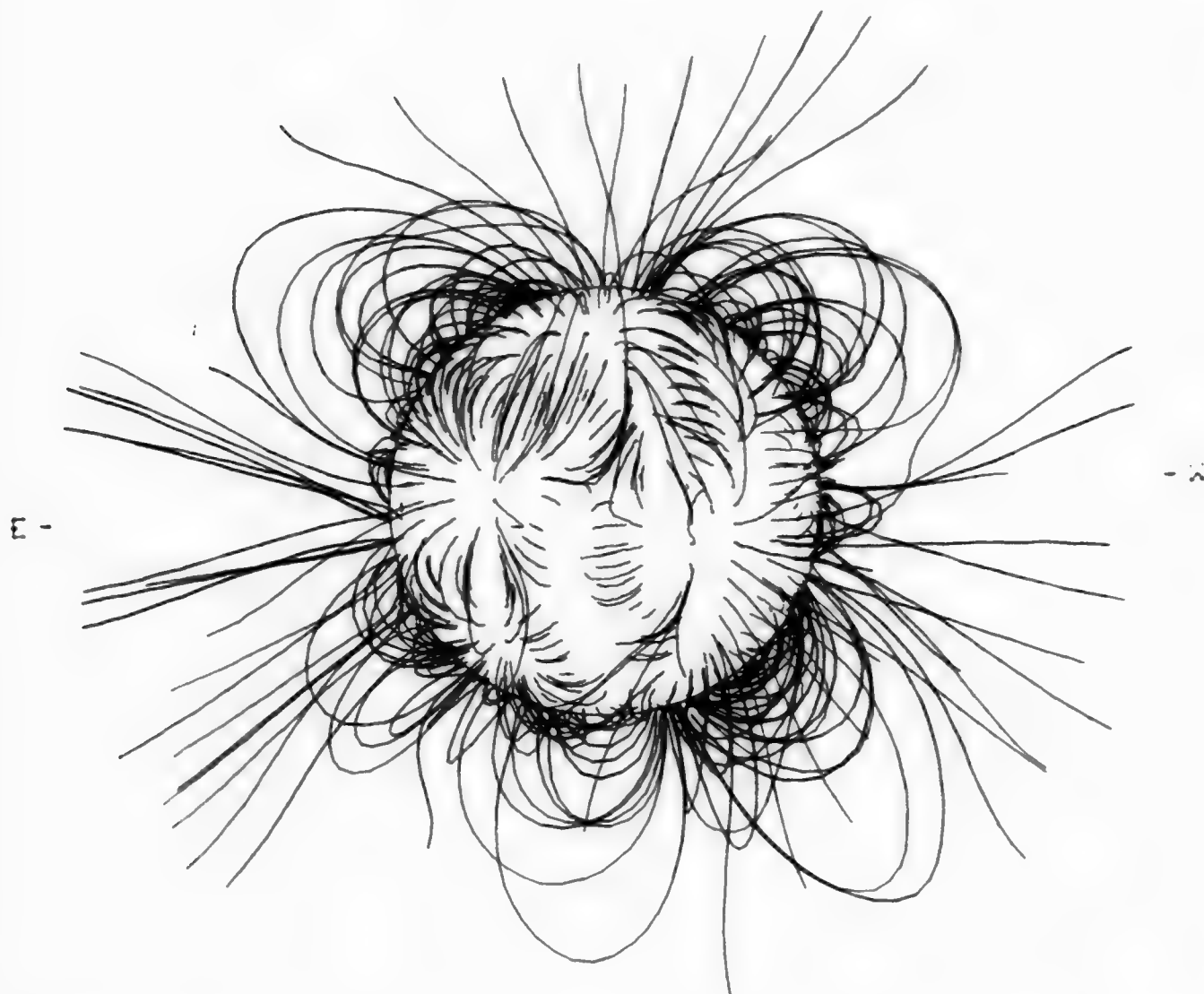
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

ROT. 1483 LONG. 300°
17.3 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

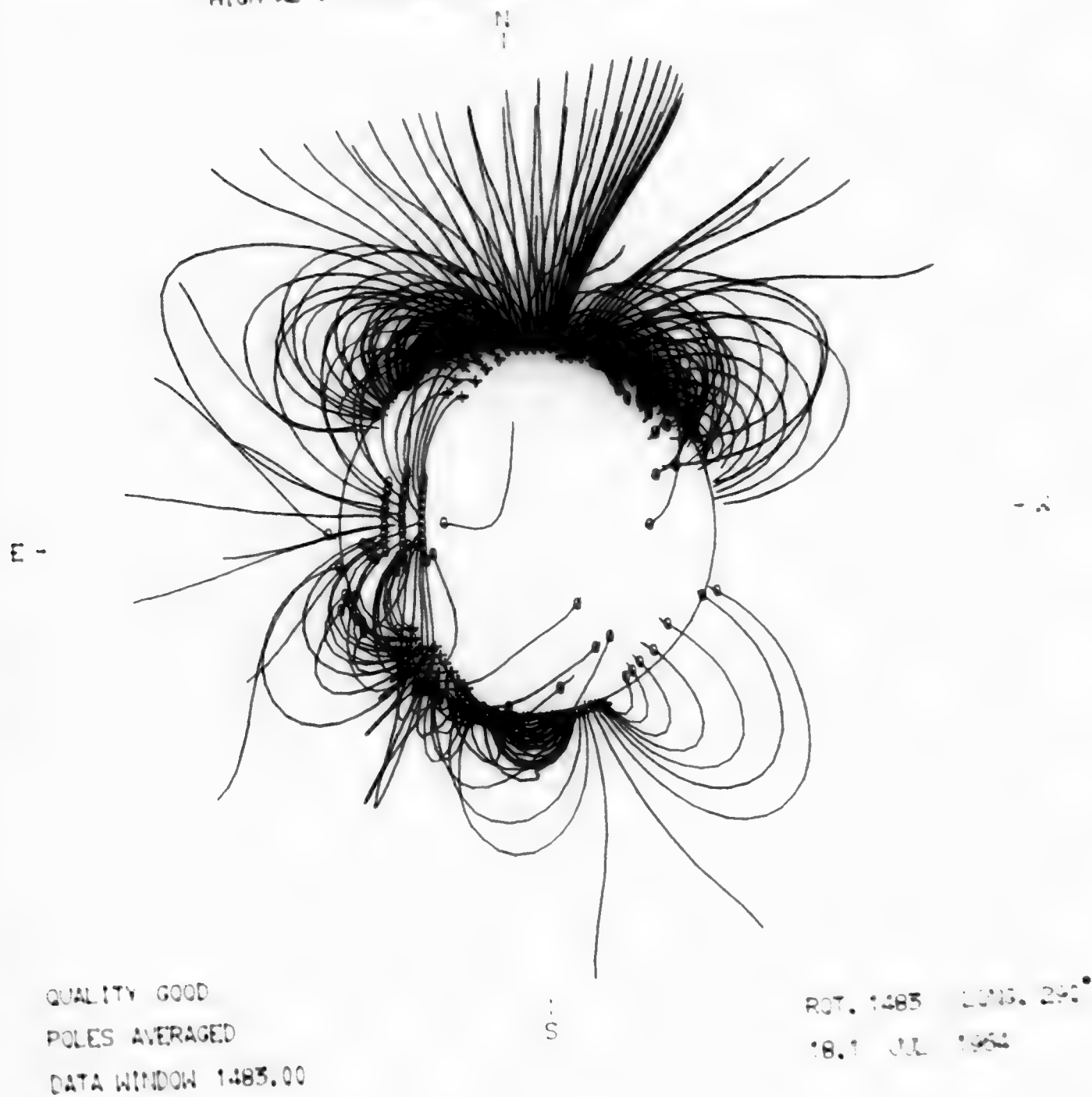


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

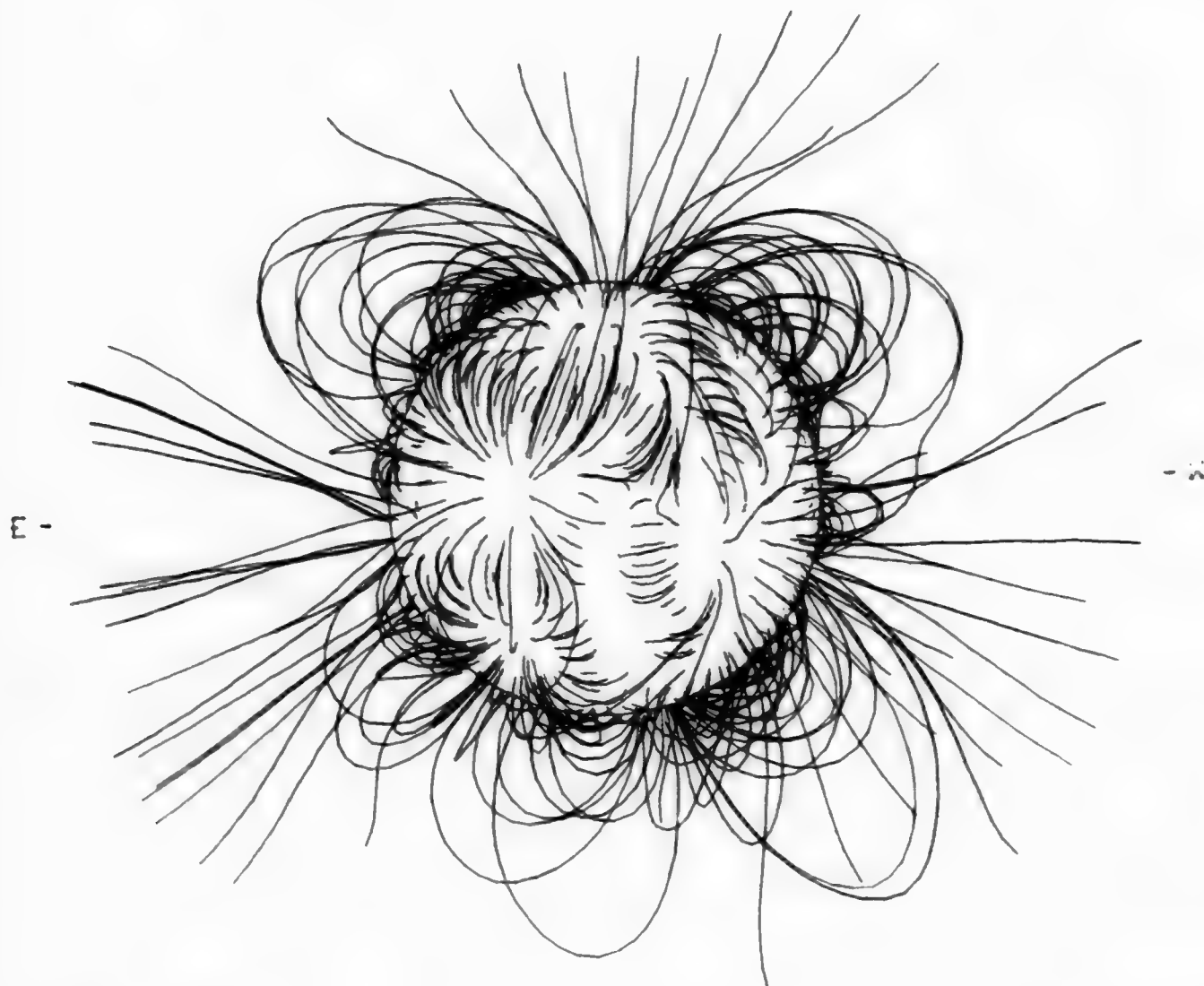
S

ROT. 1483 LONG. 290°
18.1 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

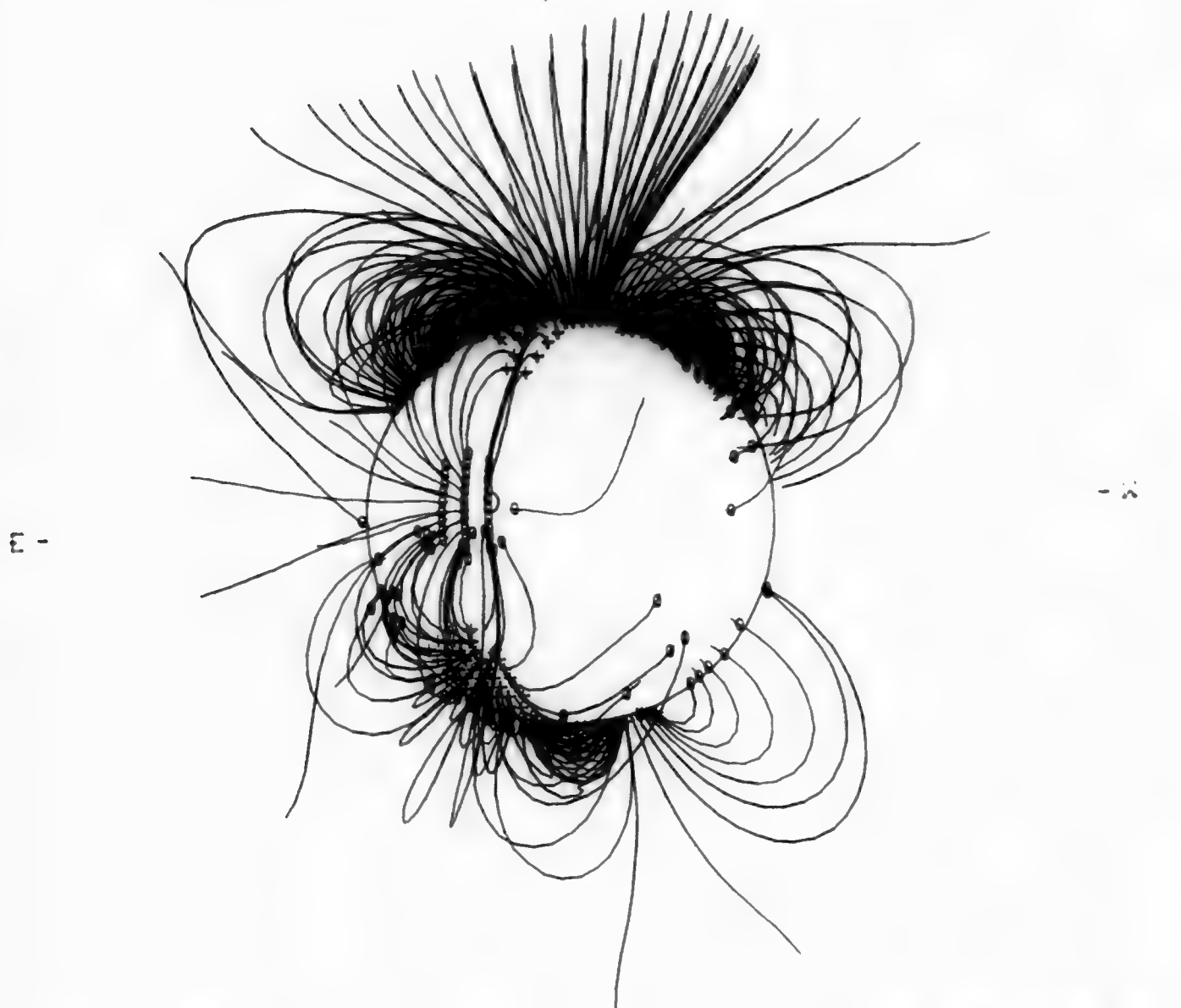


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

1
S

ROT. 1483 LONG. 281°
18.8 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

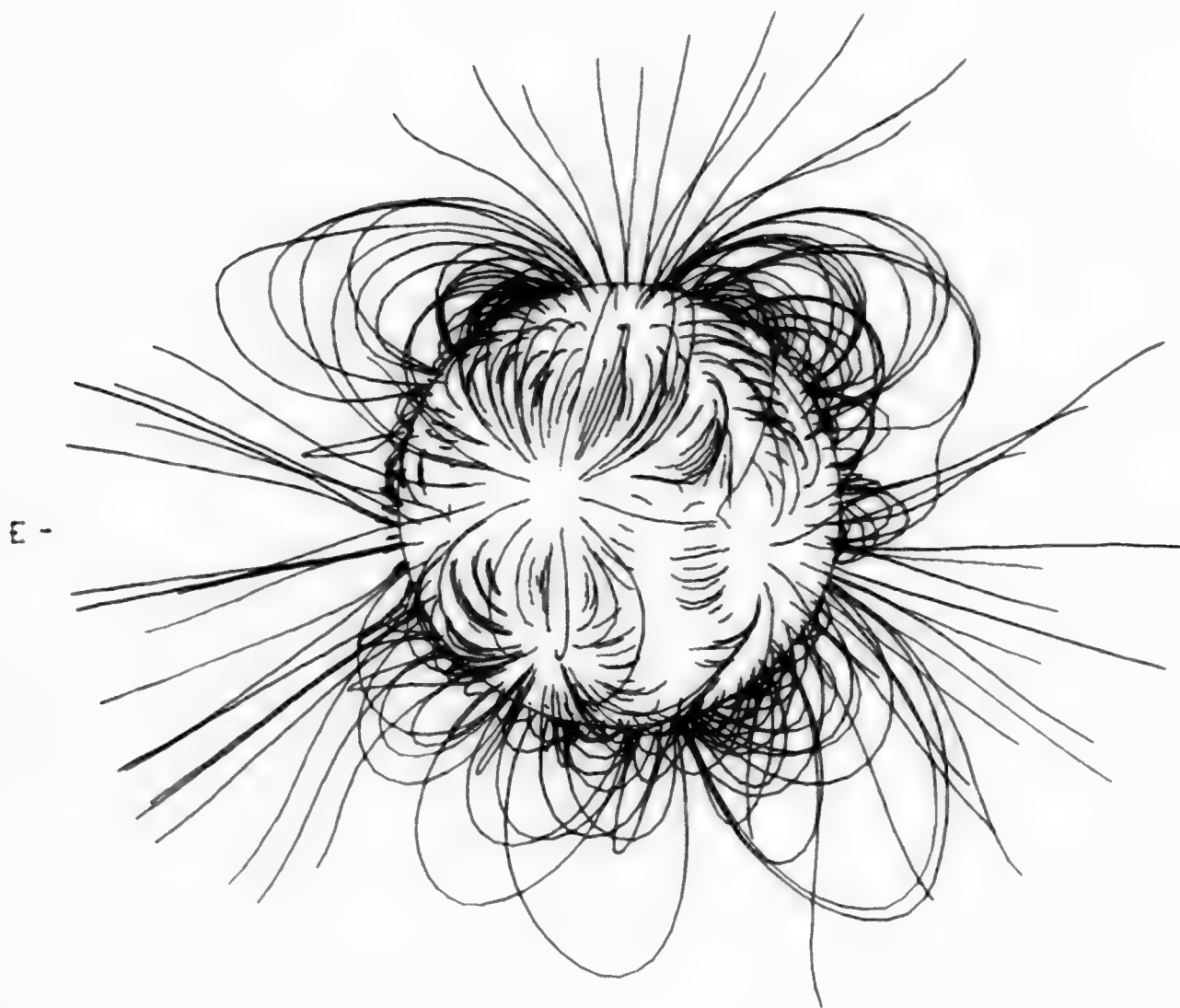


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

1
S

REF. 1483 LONG. 280°
18.8 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

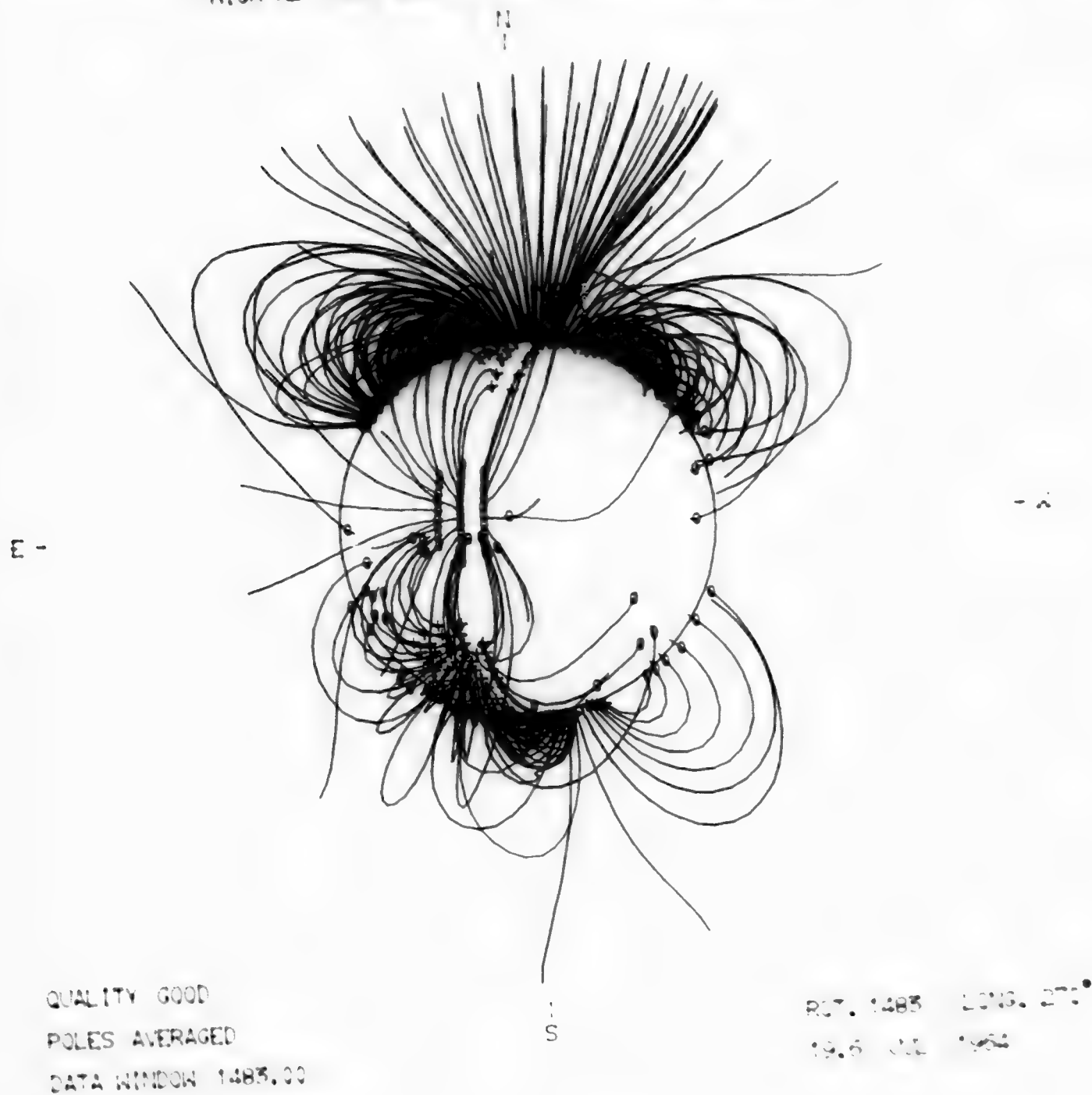


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

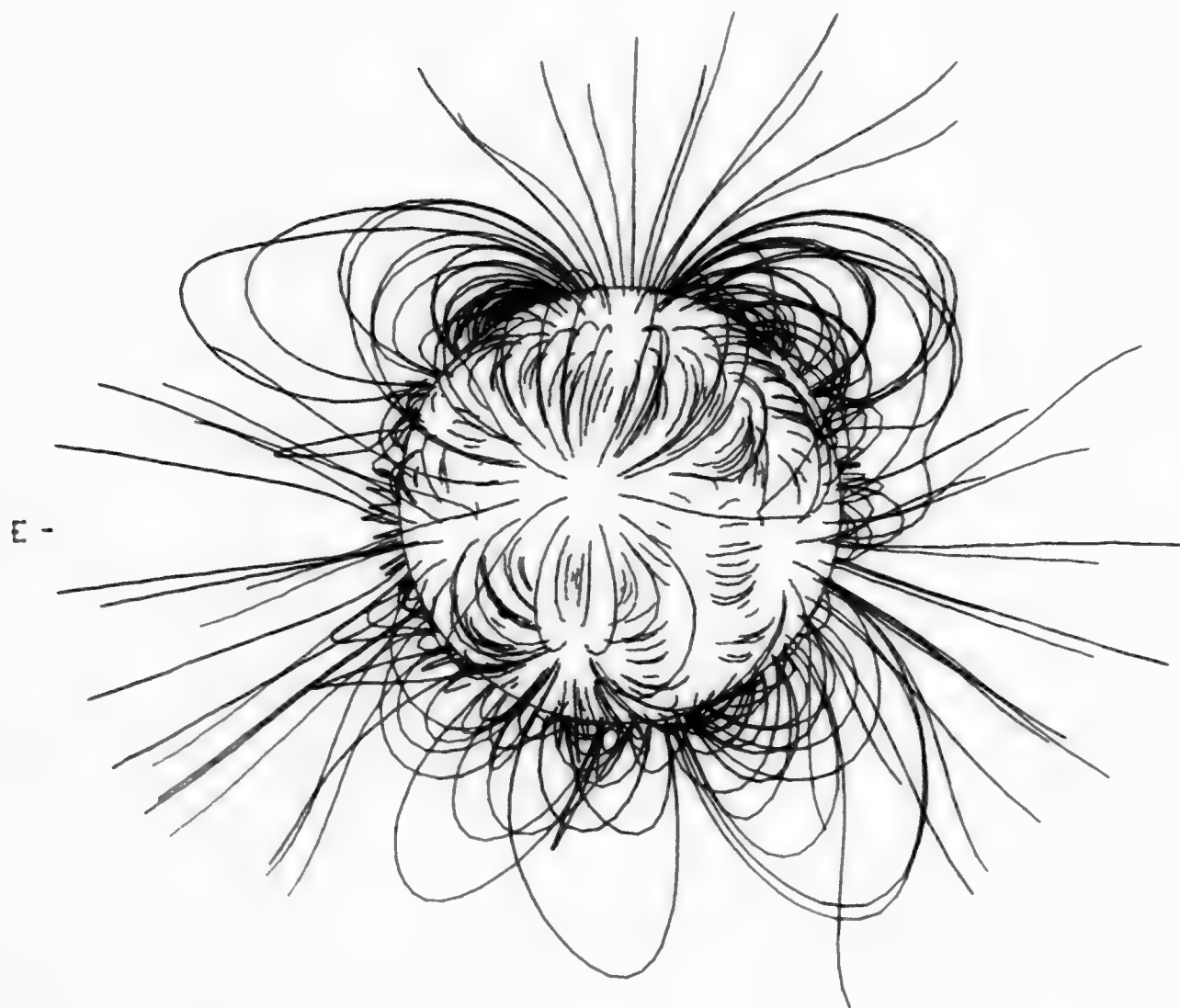
1
S

ROT. 1483 LONG. 270°
19.6 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

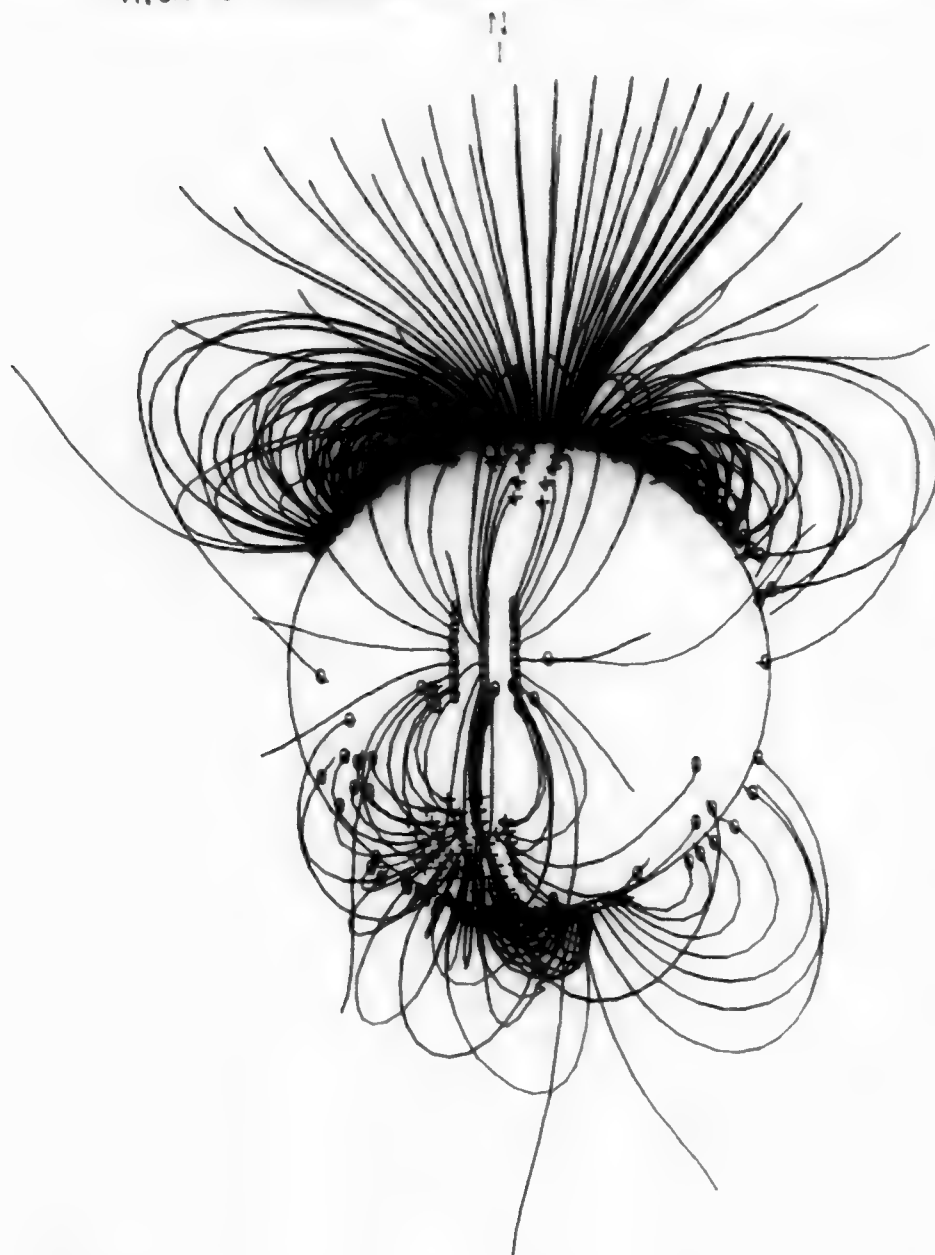
1
S

ROT. 1483 LONG. 250°
20.4 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

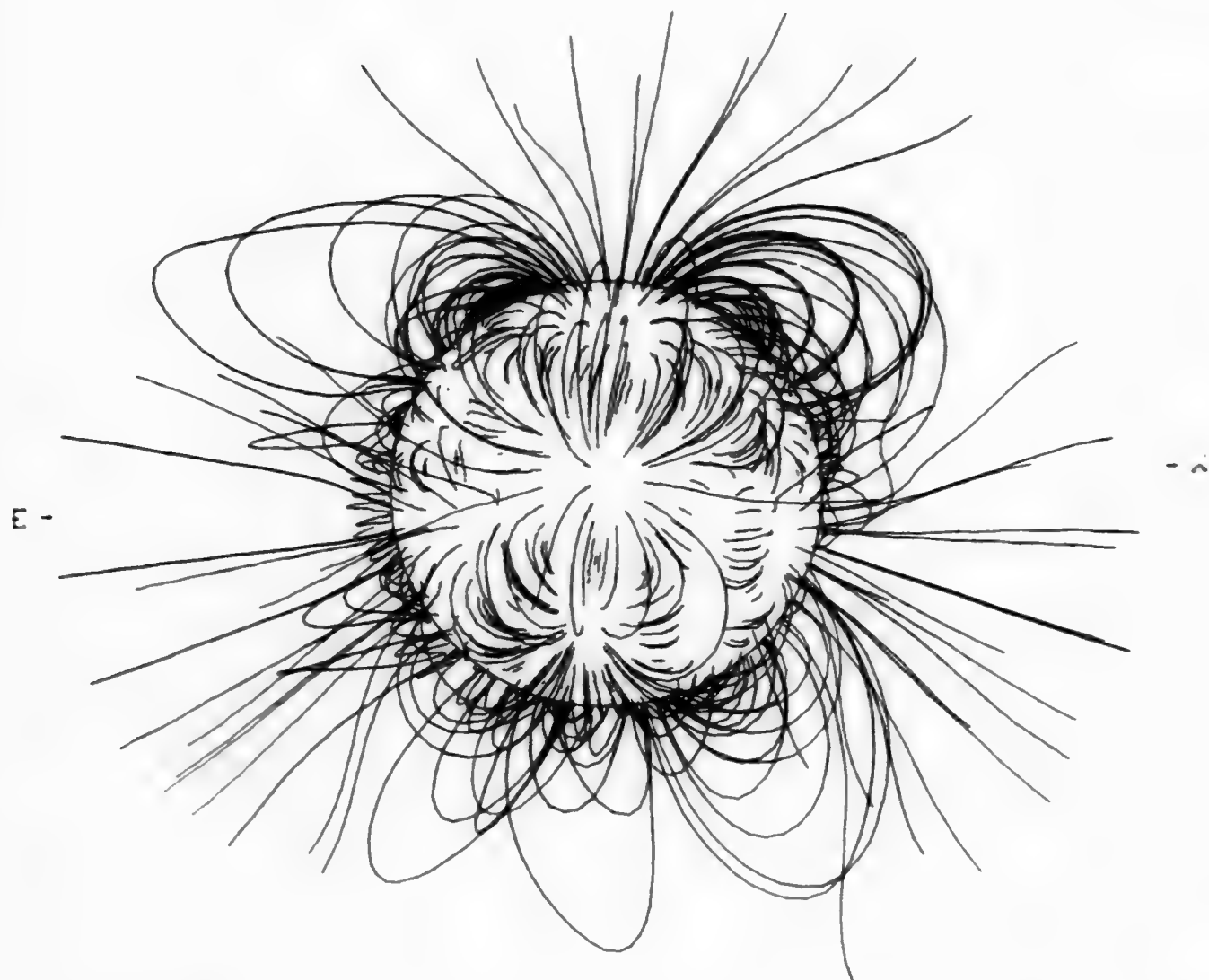
E -

QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00



ROT. 1485 LONG. 260°
20.4 111 1954

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



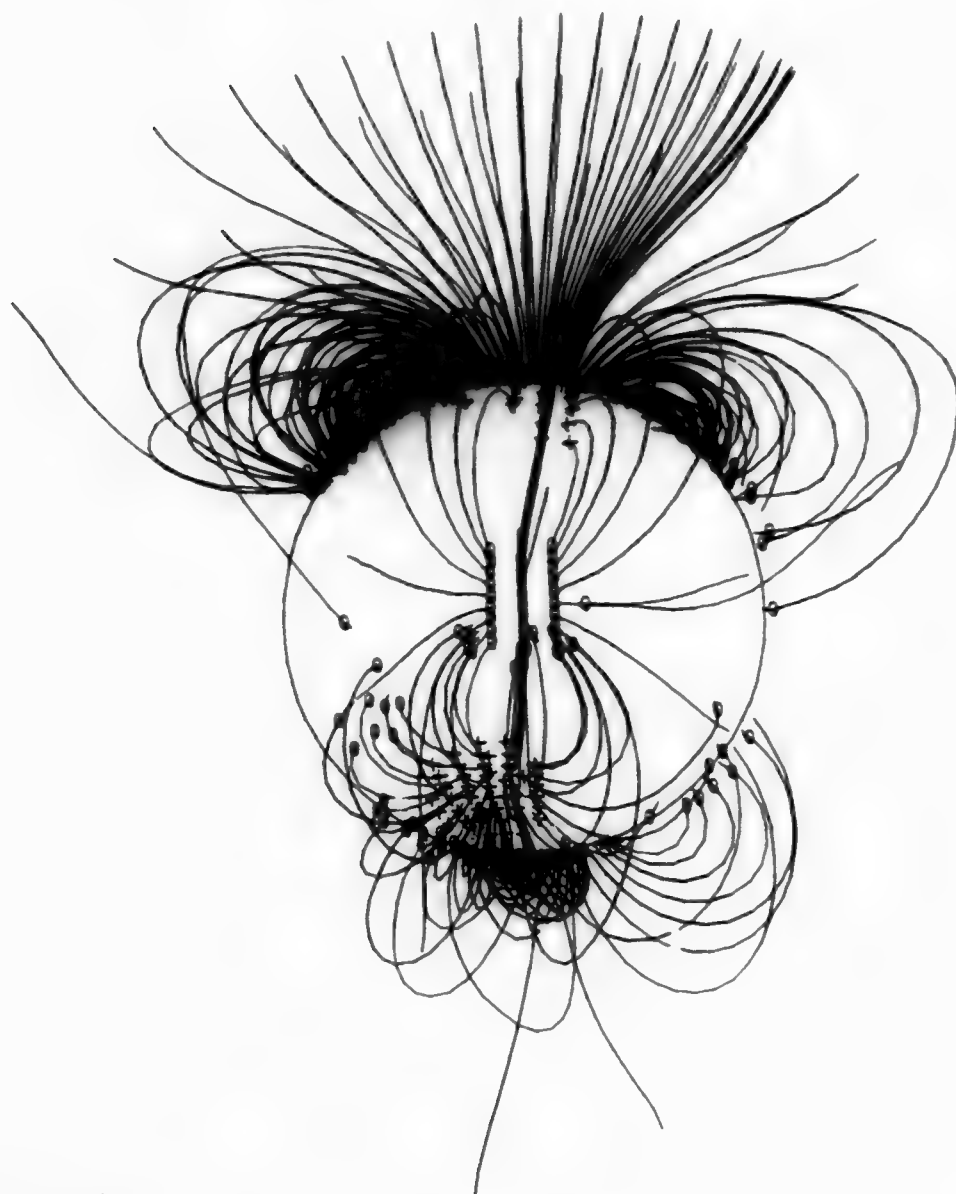
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

1
S

ROT. 1483 LONG. 150°
20.1 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

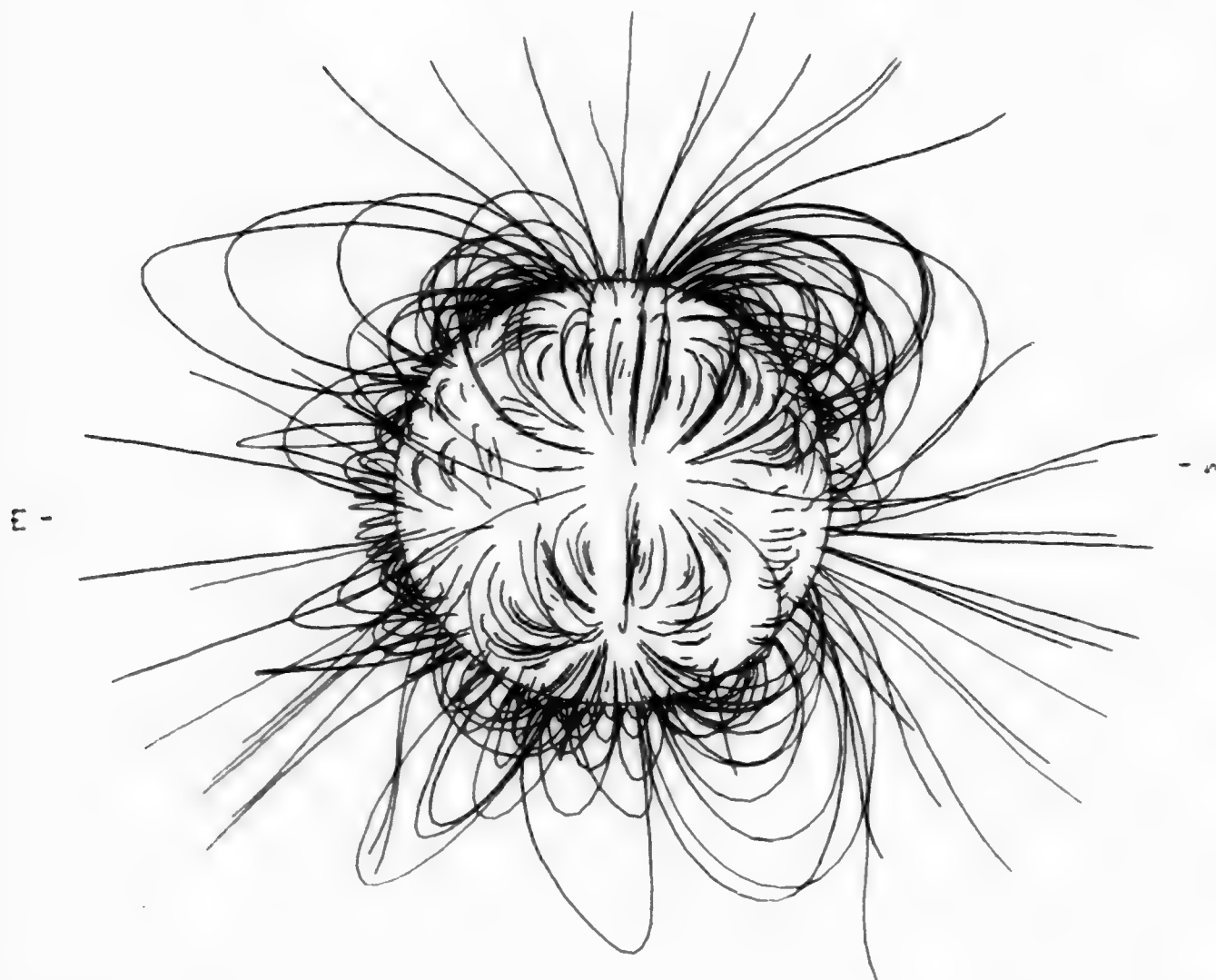


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

1
S

RCT. 1483 LONG. 25.0°
21.1 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

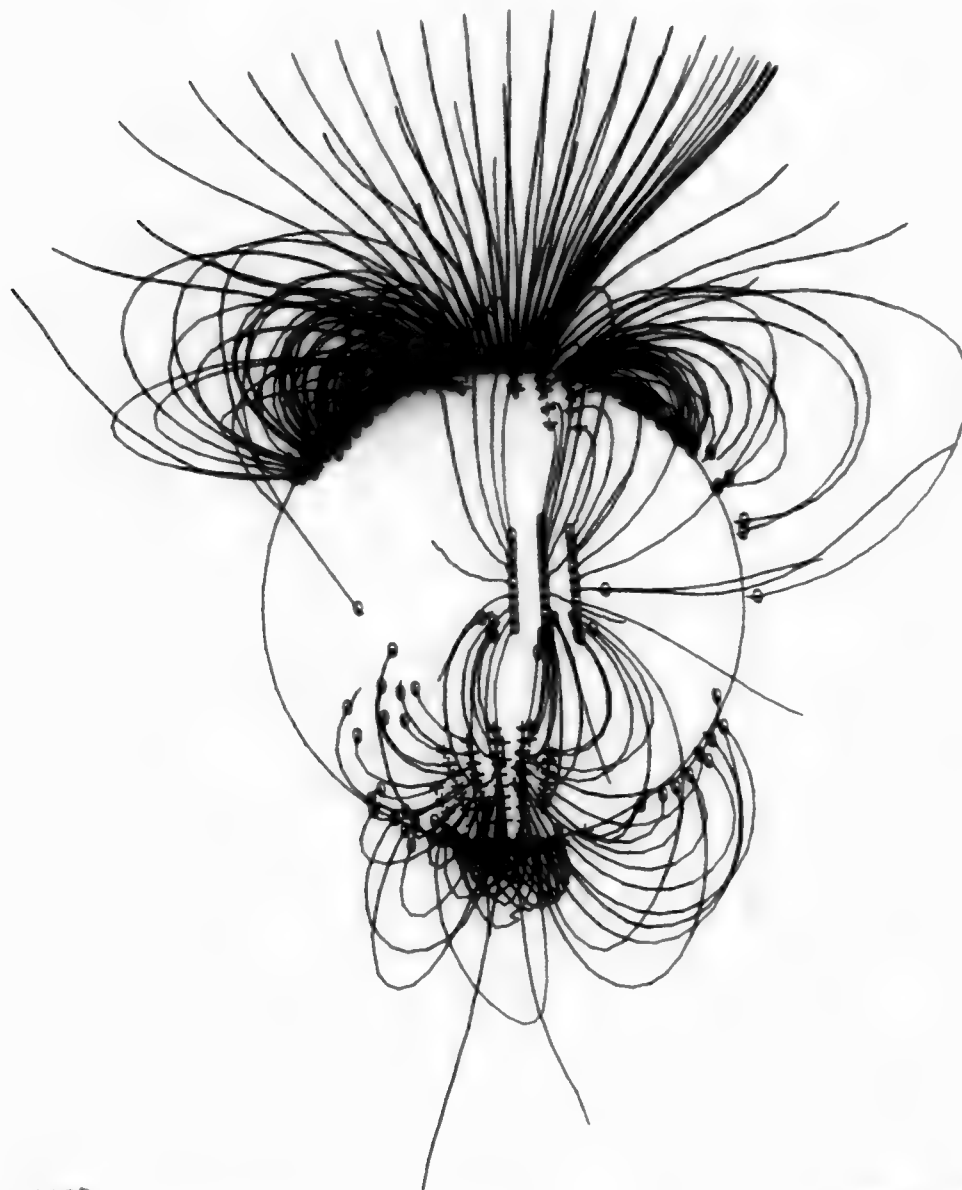


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

S

ROT. 1483 LONG. 241°
21.9 JUL 1964

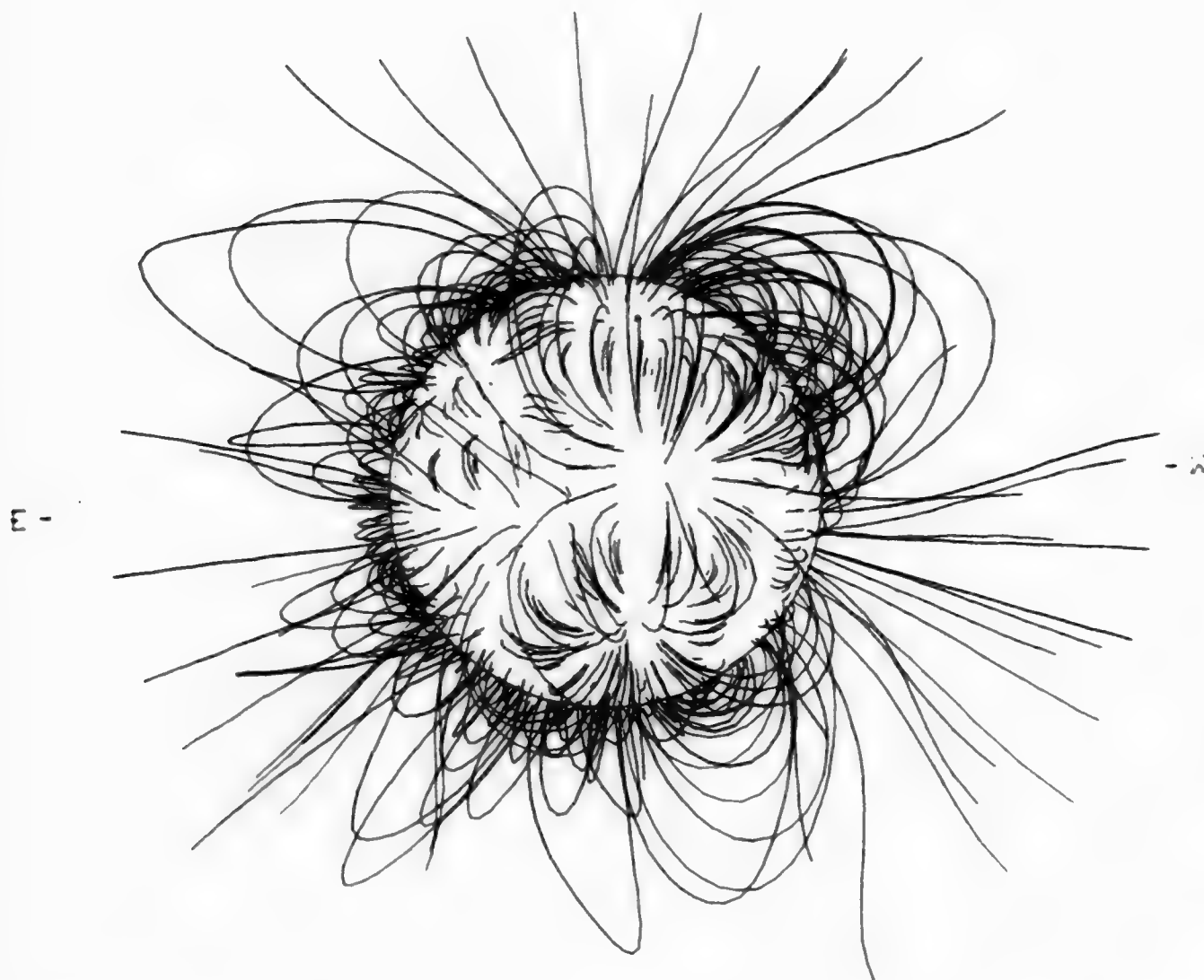
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

ROT. 1483 LONG. 240°
21.9 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

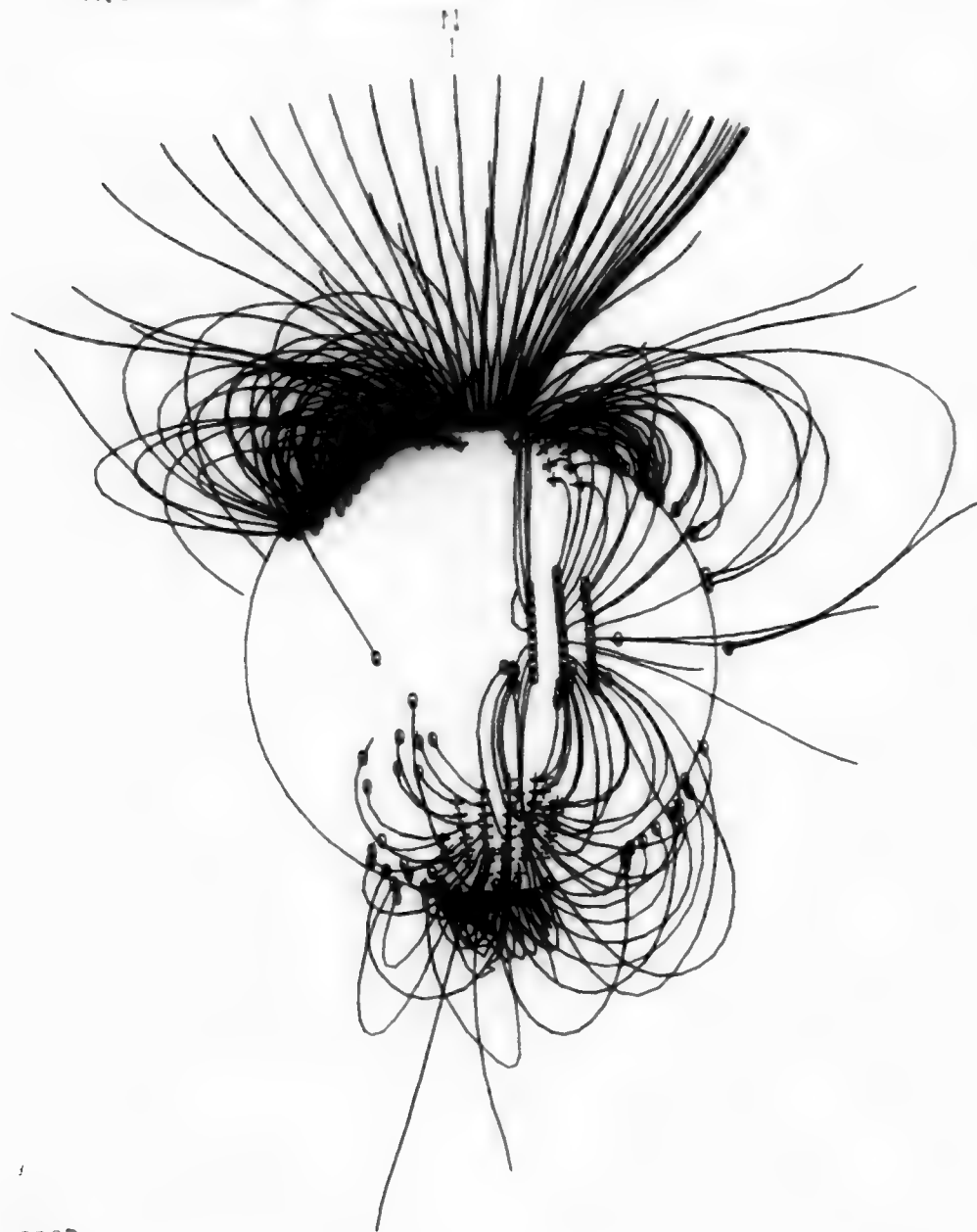


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

:
S

RST. 1483 LONG. 23°
22.6 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



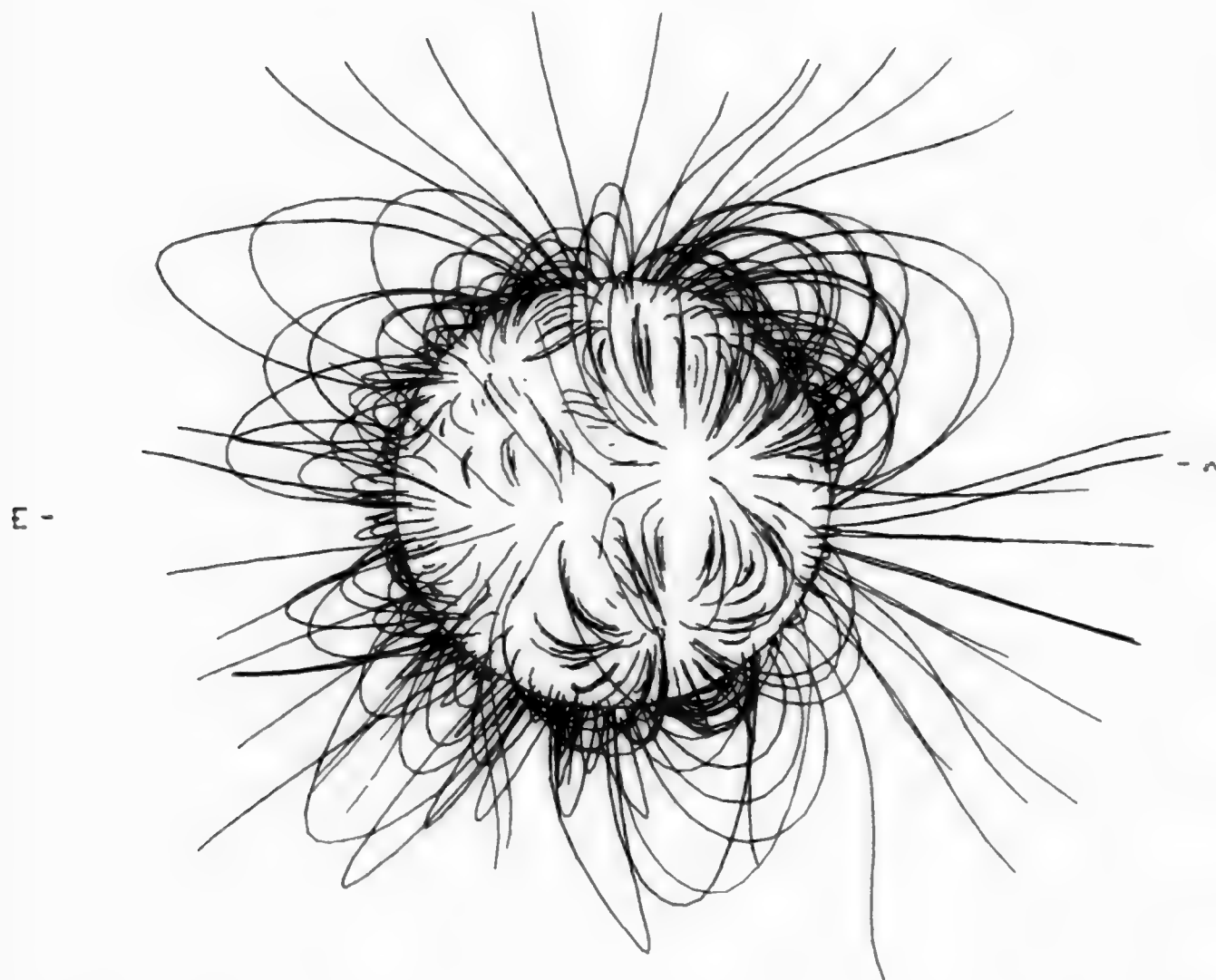
E -

QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

S

ROT. 1483 LONG. 231°
22.6 JUL 1961

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

S

ROT. 1483 LONG. 210°
23.4 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



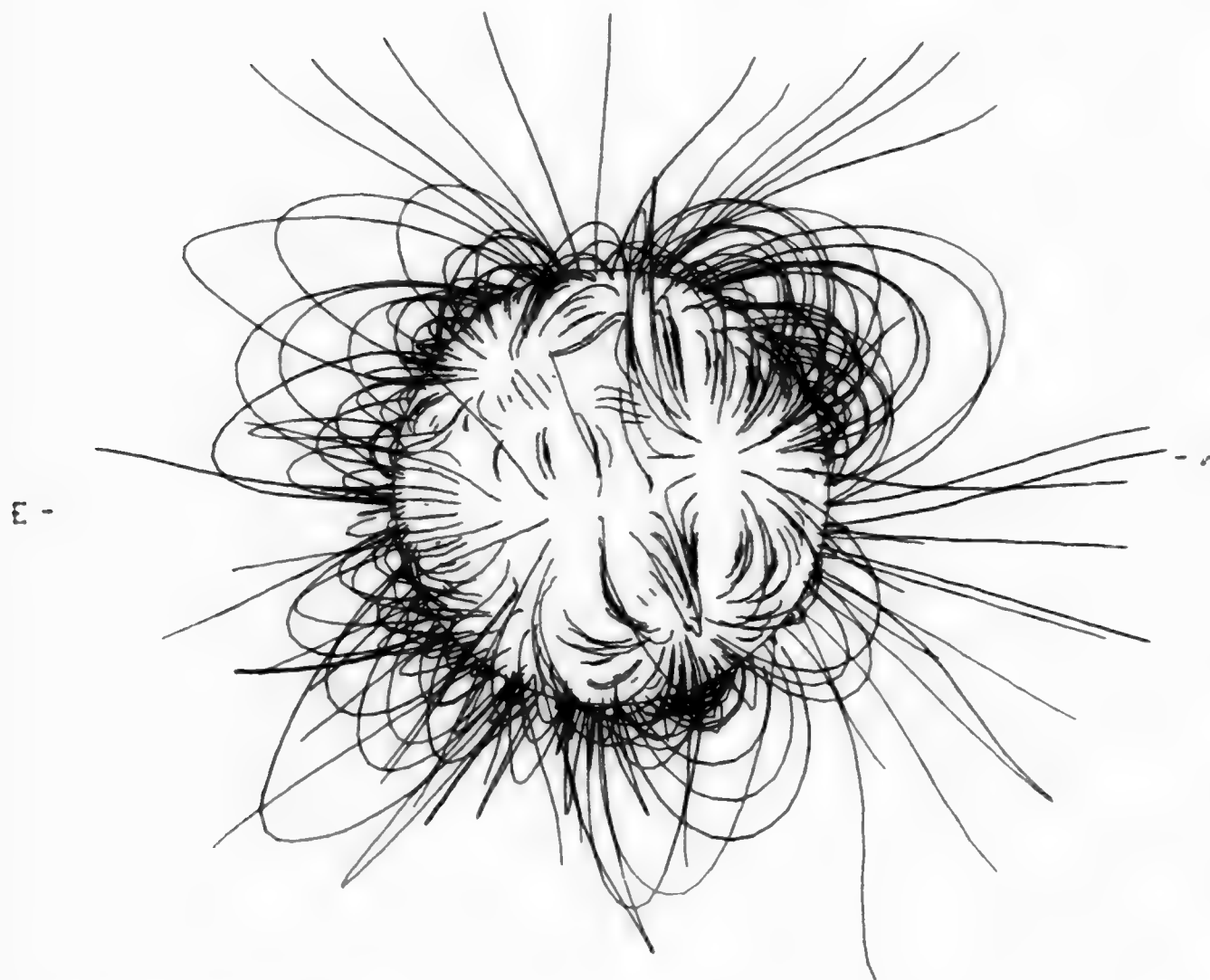
E -

QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1485.00

S

ROT. 1485 2015. 211°
23.4 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

ROT. 1483 LONG. 21.1°
24.1 11 1954

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

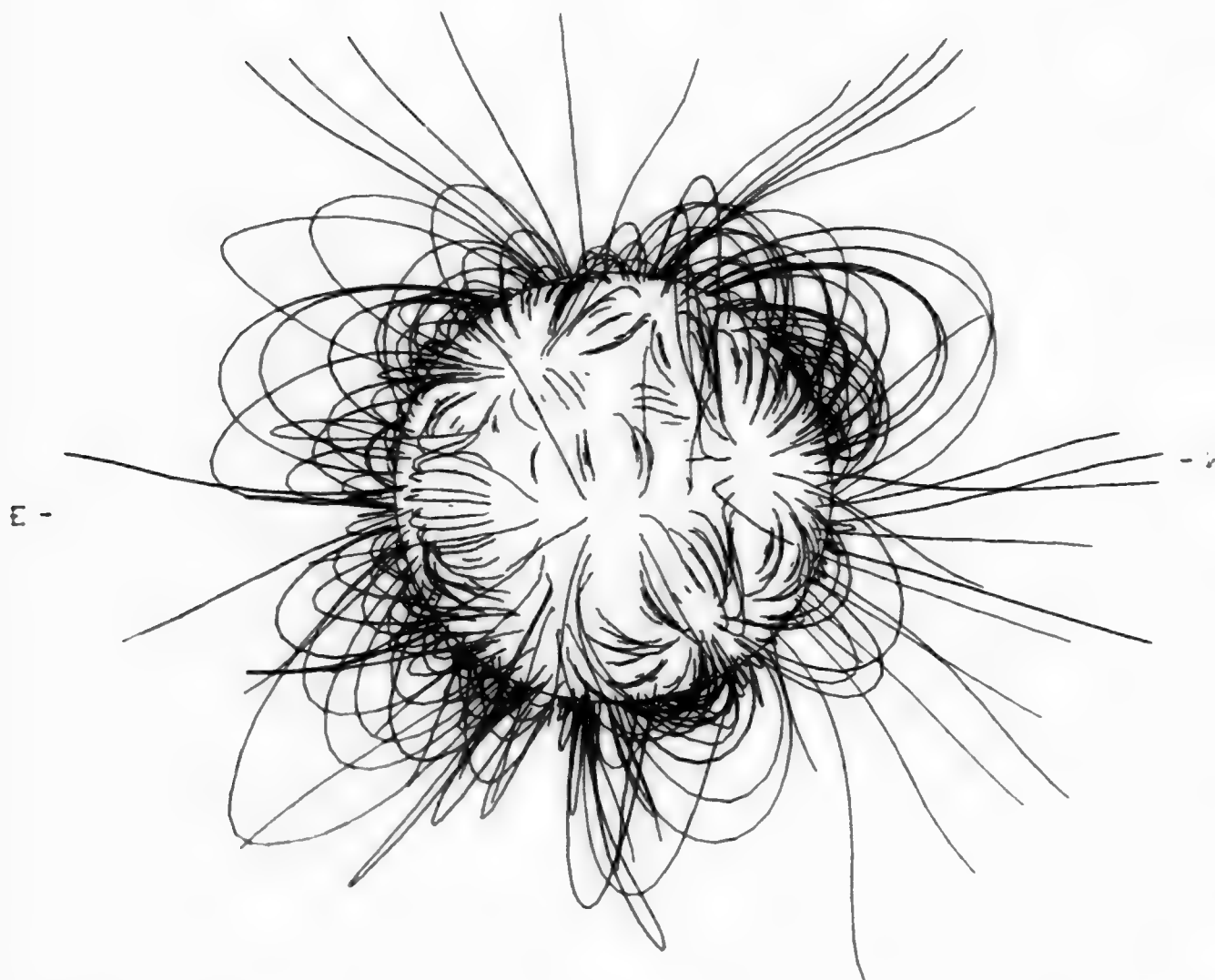
QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1483.00



S

RJT. 1483 1110. 210°
 24.1 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1483.00

REF. 1483 2013. 211
 24.9 111 1984

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

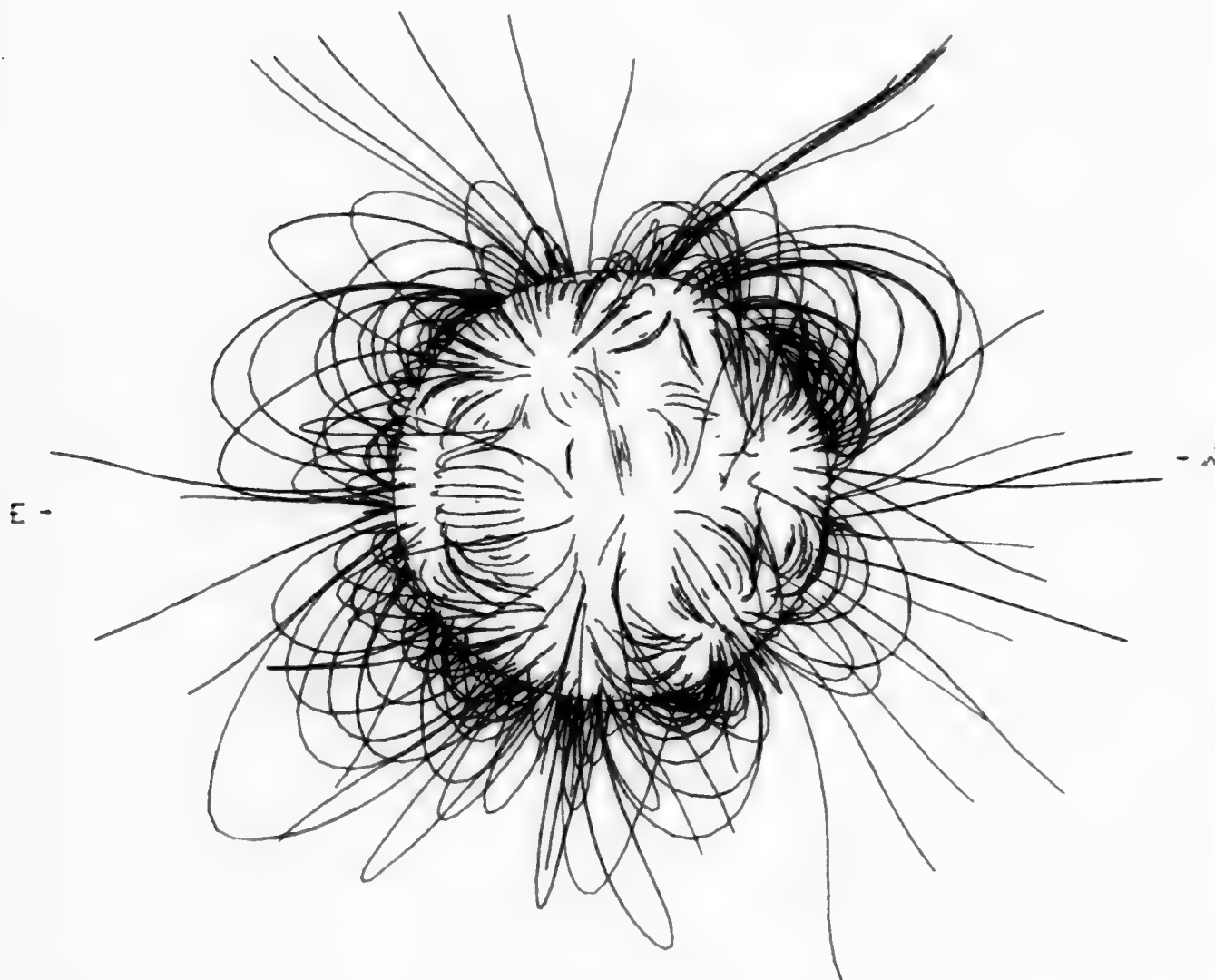
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1485.00



S

RJT, 1485 2010.210°
24.9 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1485.00

1
S

ROT. 1485 LONG. 140°
25.7 JUL 1962

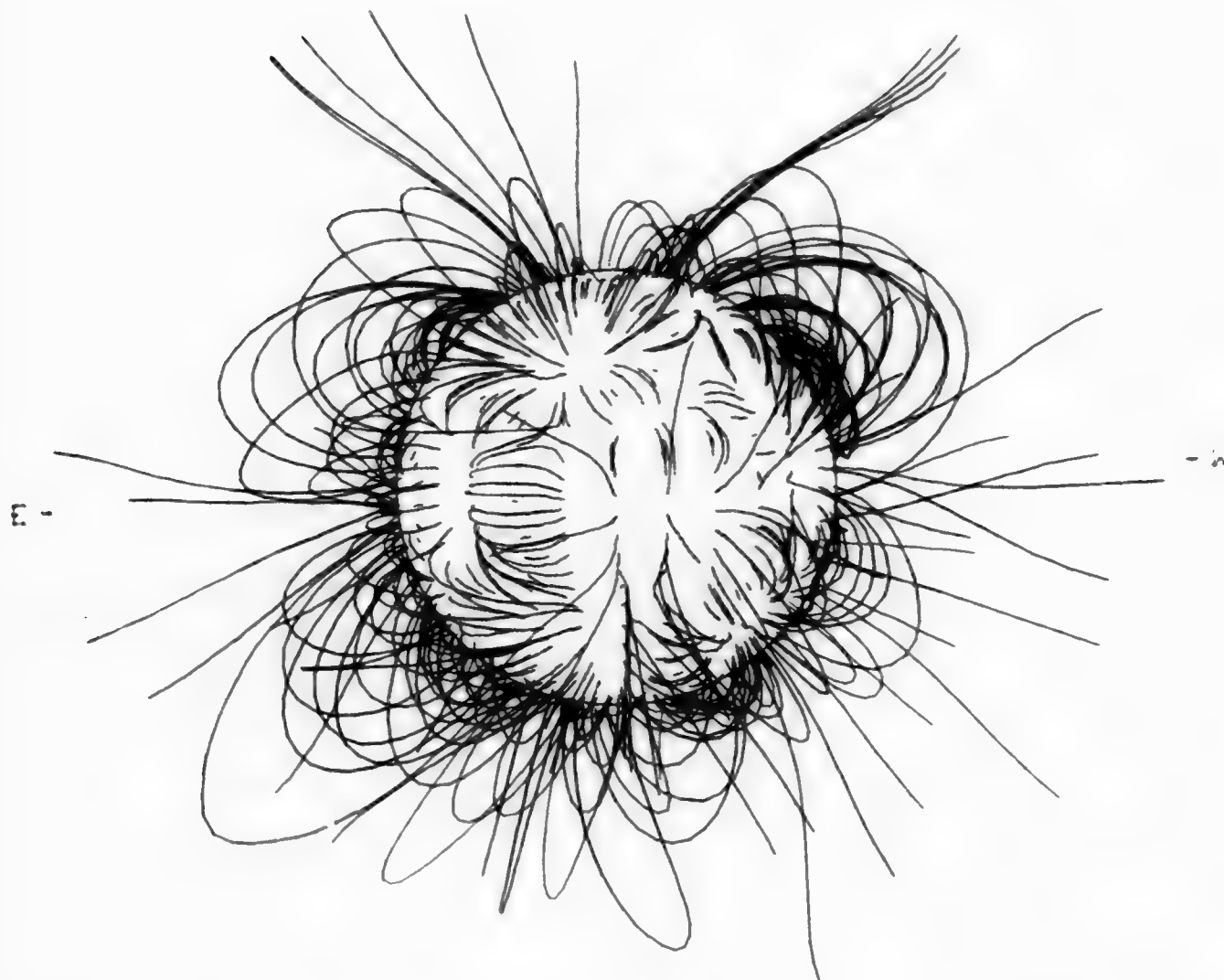
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1485.00

ROT. 1485 LING. '90°
25.7 JUL '94

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

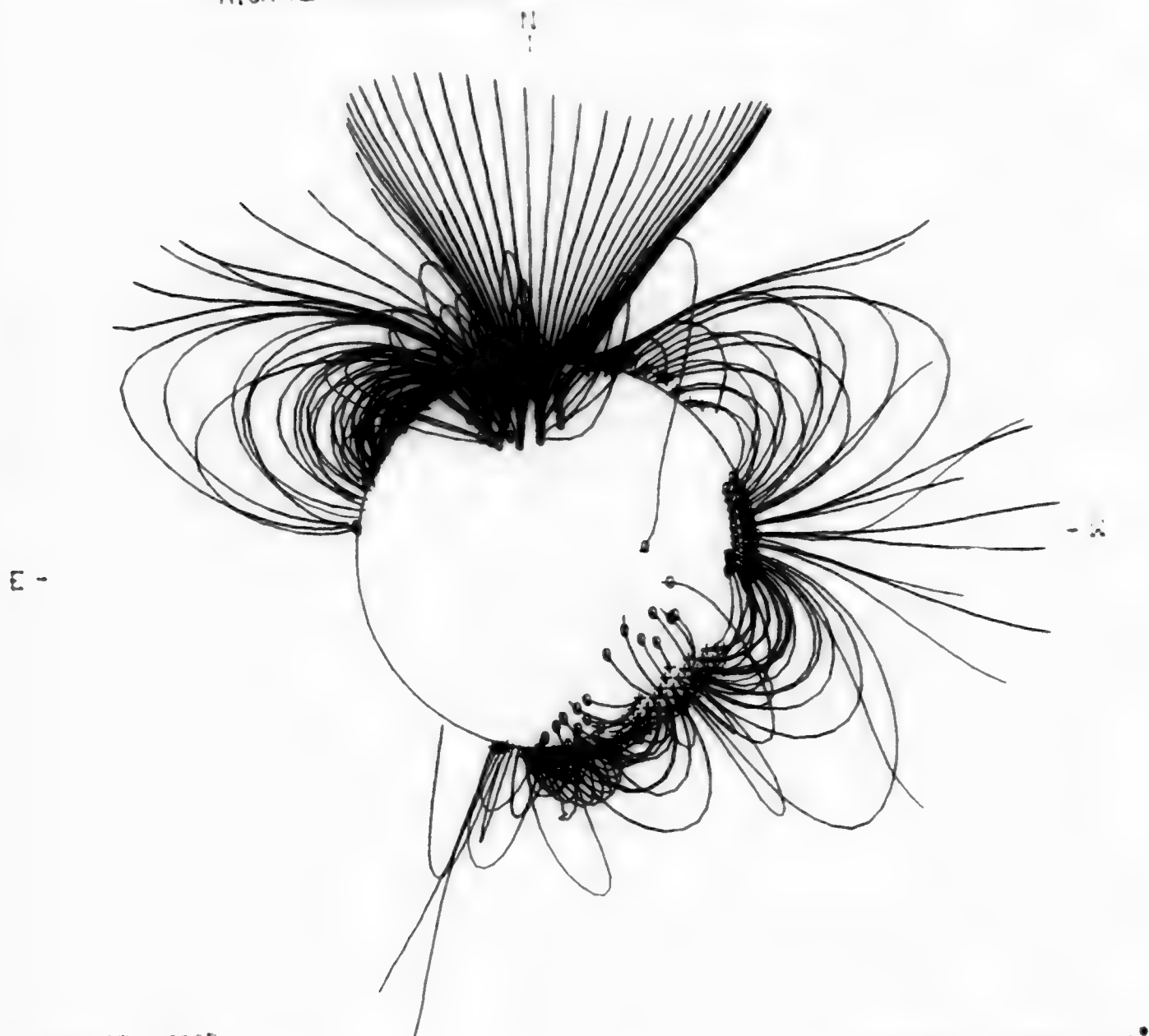


QUALITY GOOD
 PULES AVERAGED
 DATA WINDOW 1483.00

! S

ROT. 1483 2010. '81
 26.4 JUL '95

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

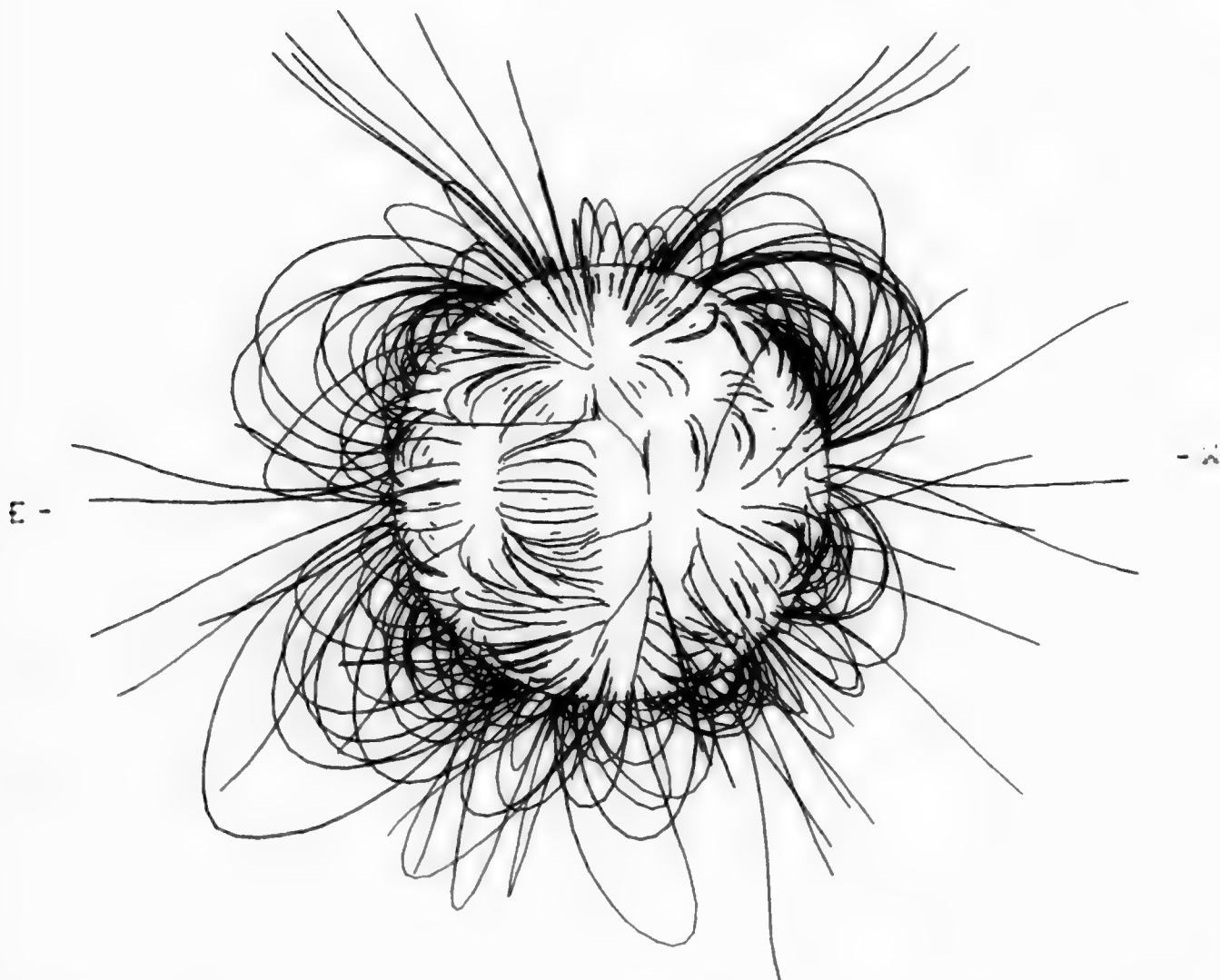


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1485.00

S

207.1485 2016.180
26.4 11.1 1992

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

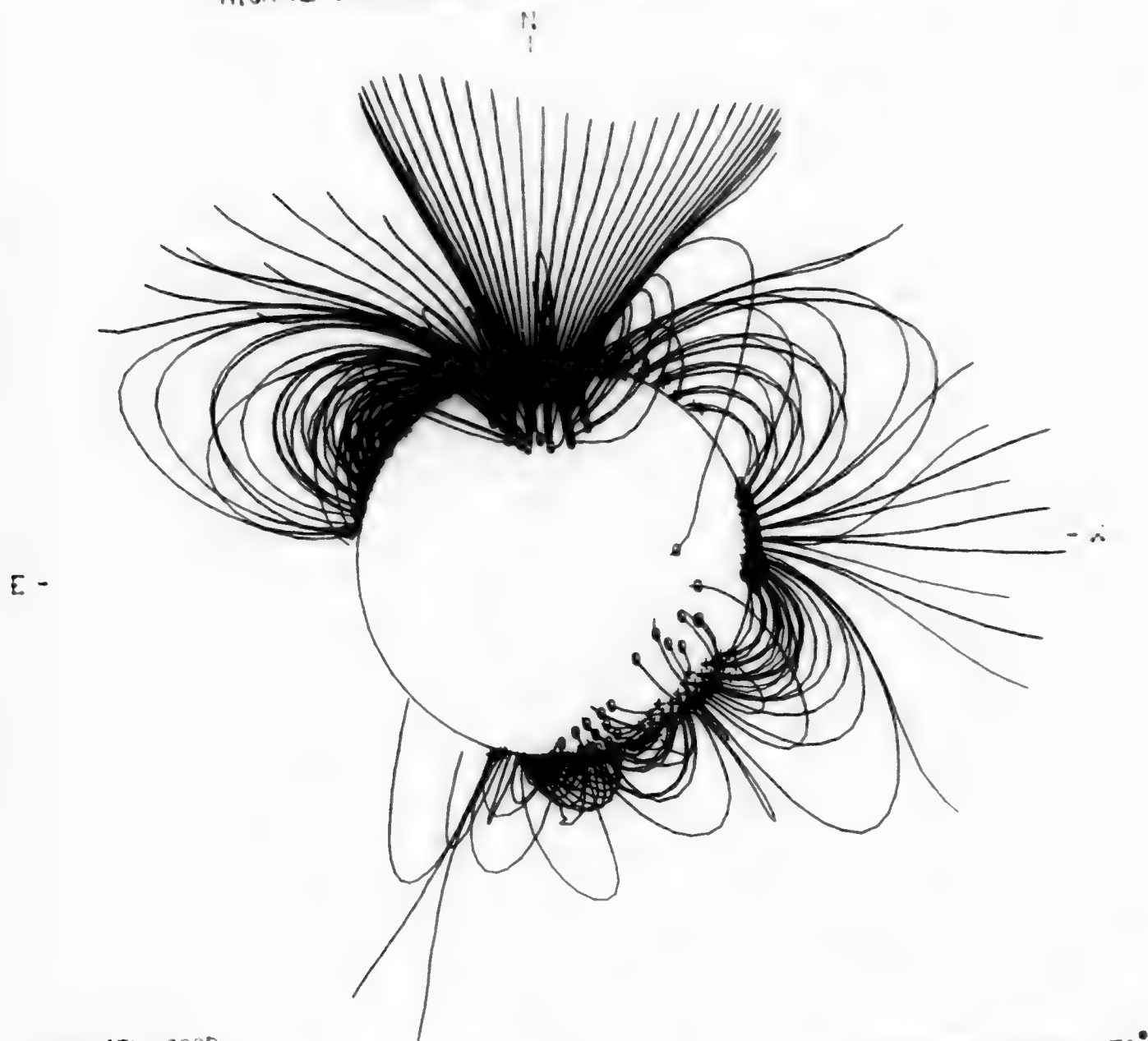


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

1
S

ROT. 1483 LONG. 170°
27.2 JUL 1964

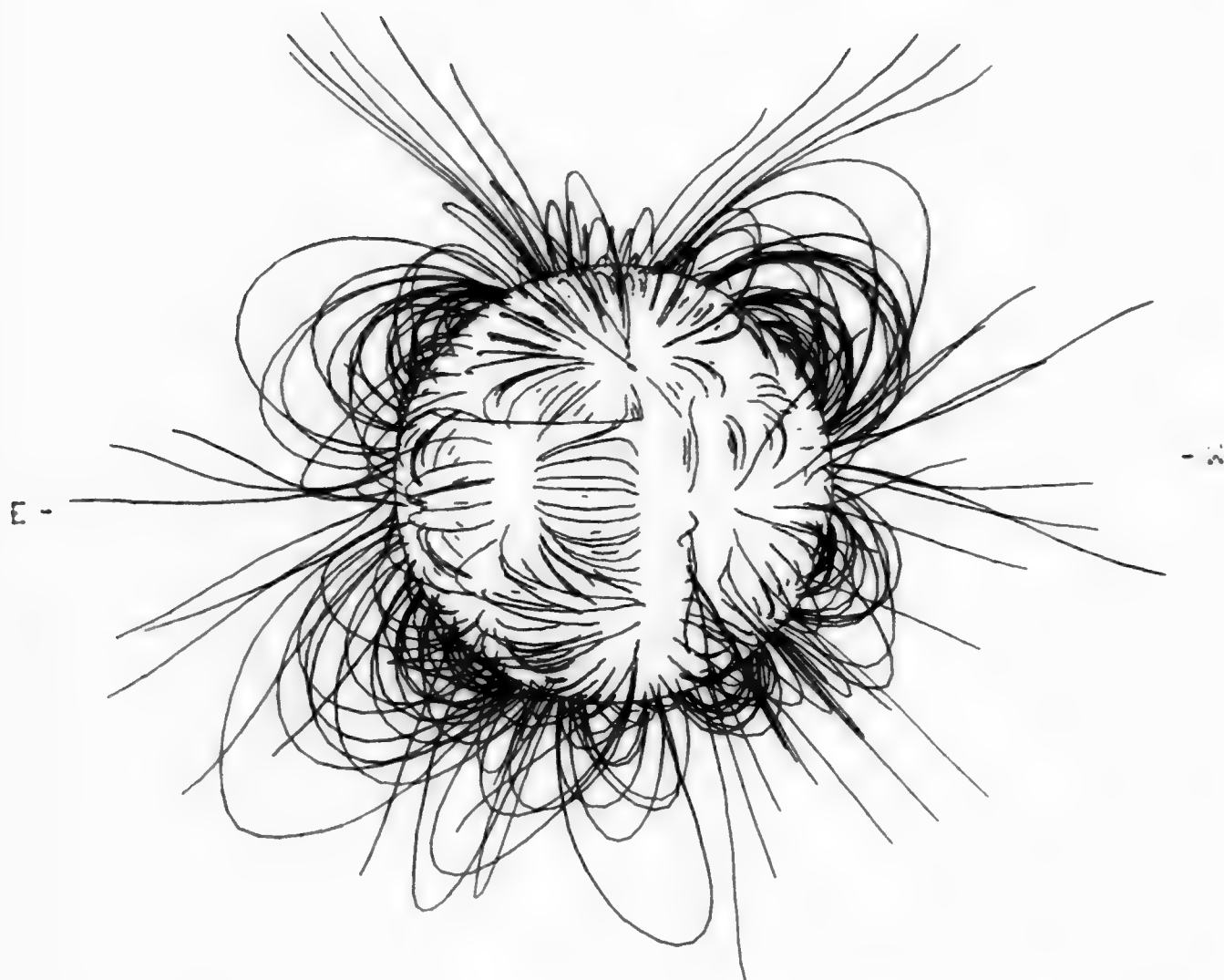
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

ROT. 1483 LONG. 171°
27.2 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

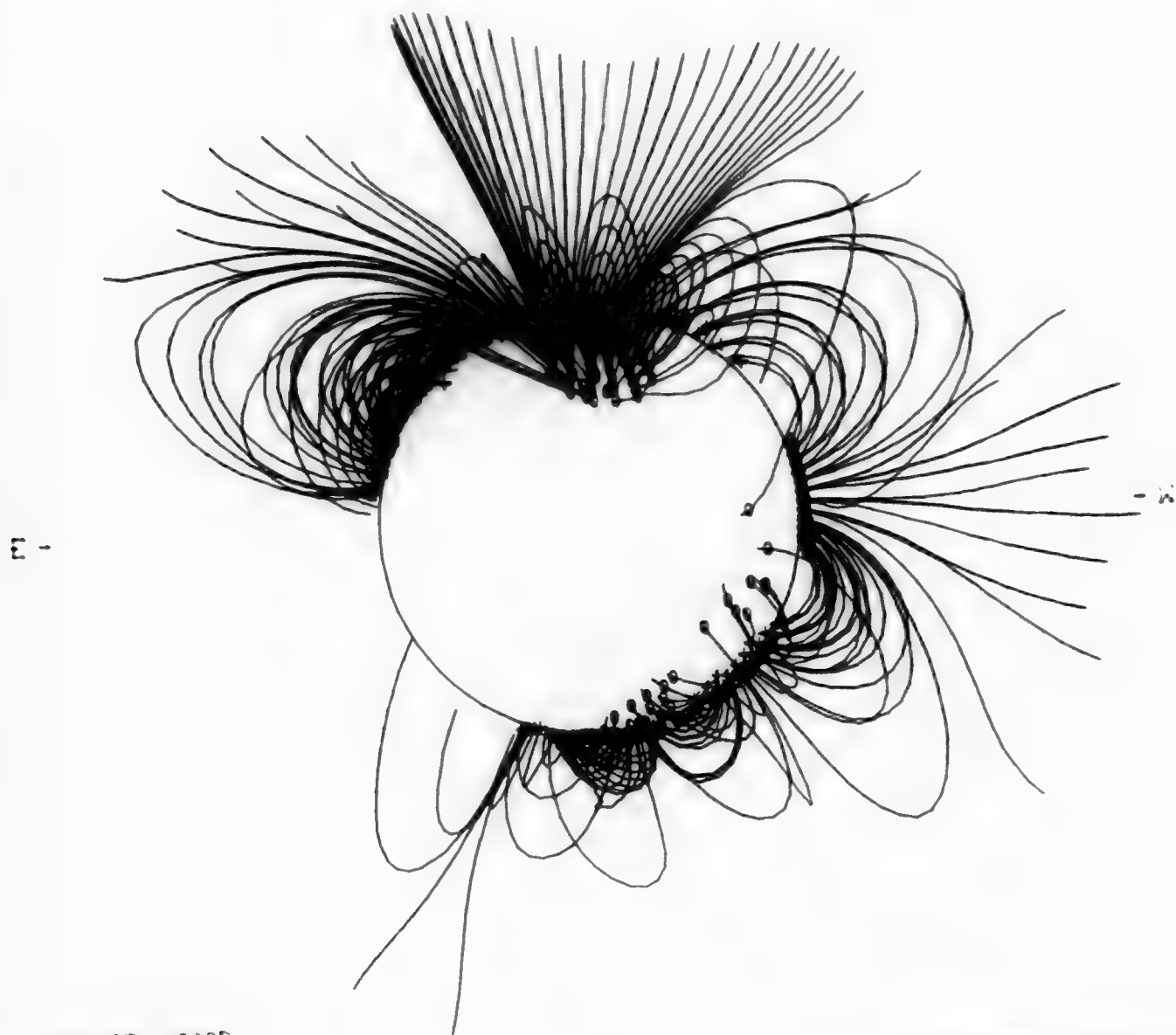


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

1
S

ROT. 1483 LONG. 160°
27.9 JUL 1964

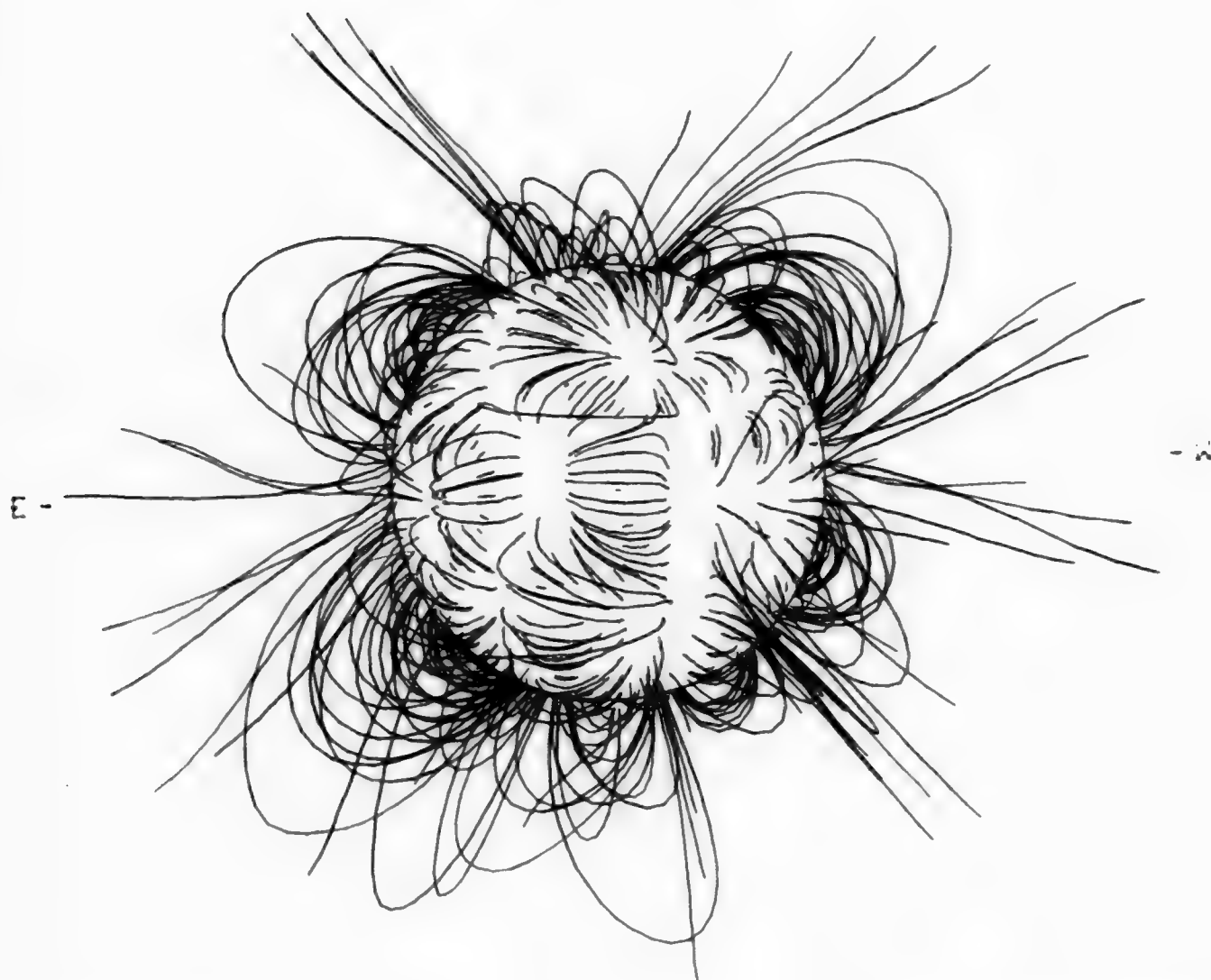
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

ROT. 1483 LONG. 160°
27.9 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

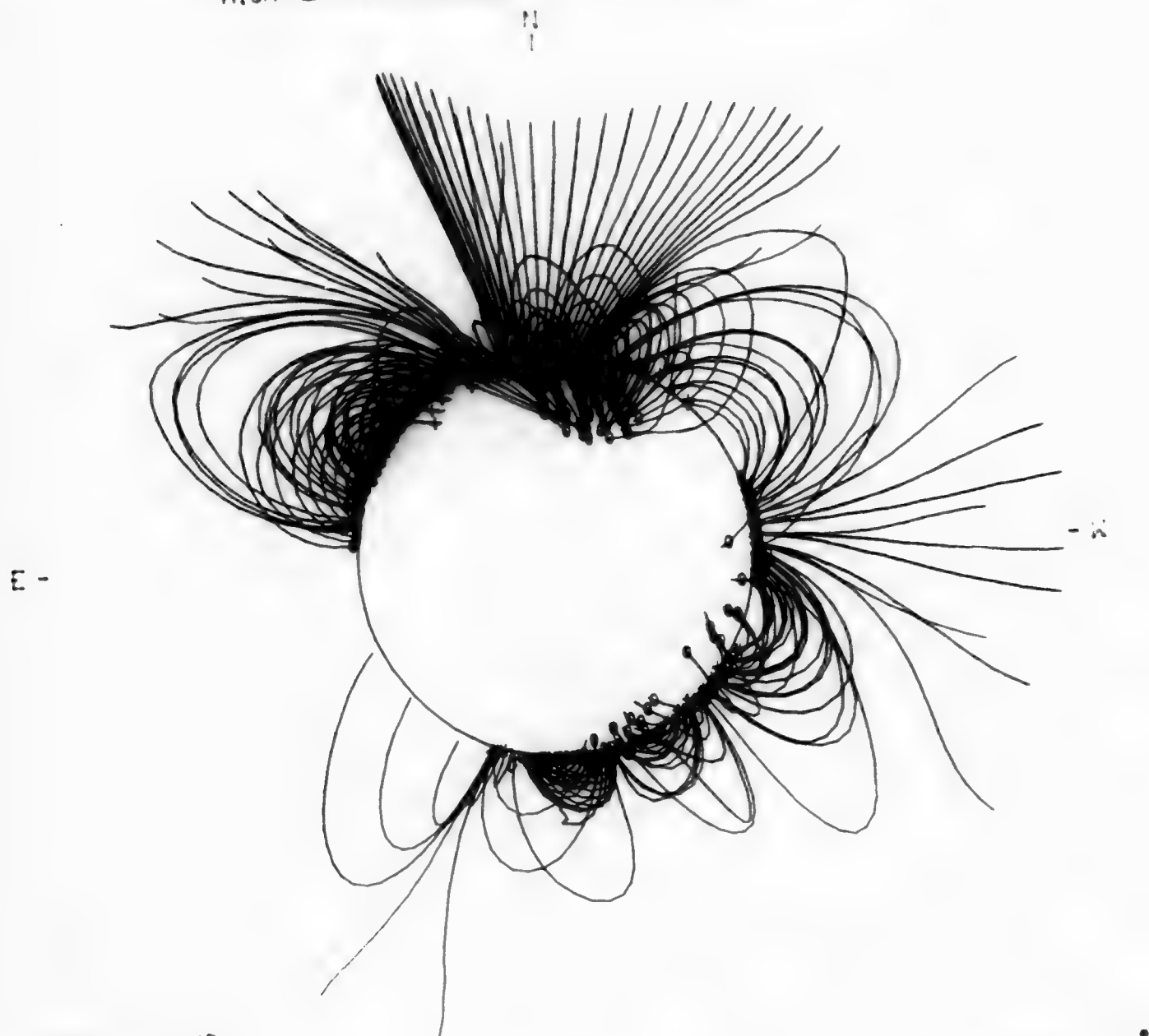


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

S

ROT. 1483 LONG. 150°
28.7 JUL 1962

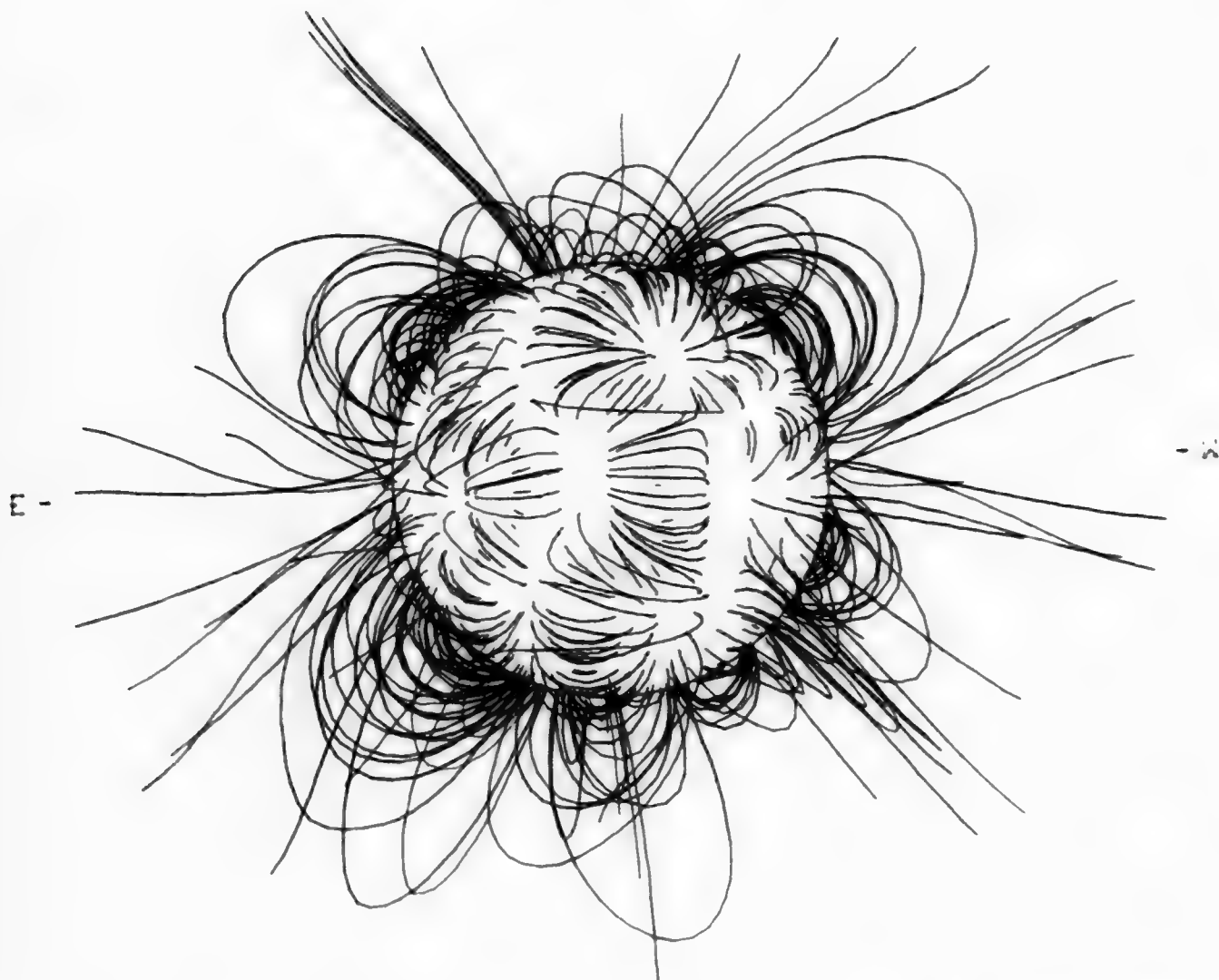
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

ROT. 1483 LONG. 151°
28.7 JUL 1964

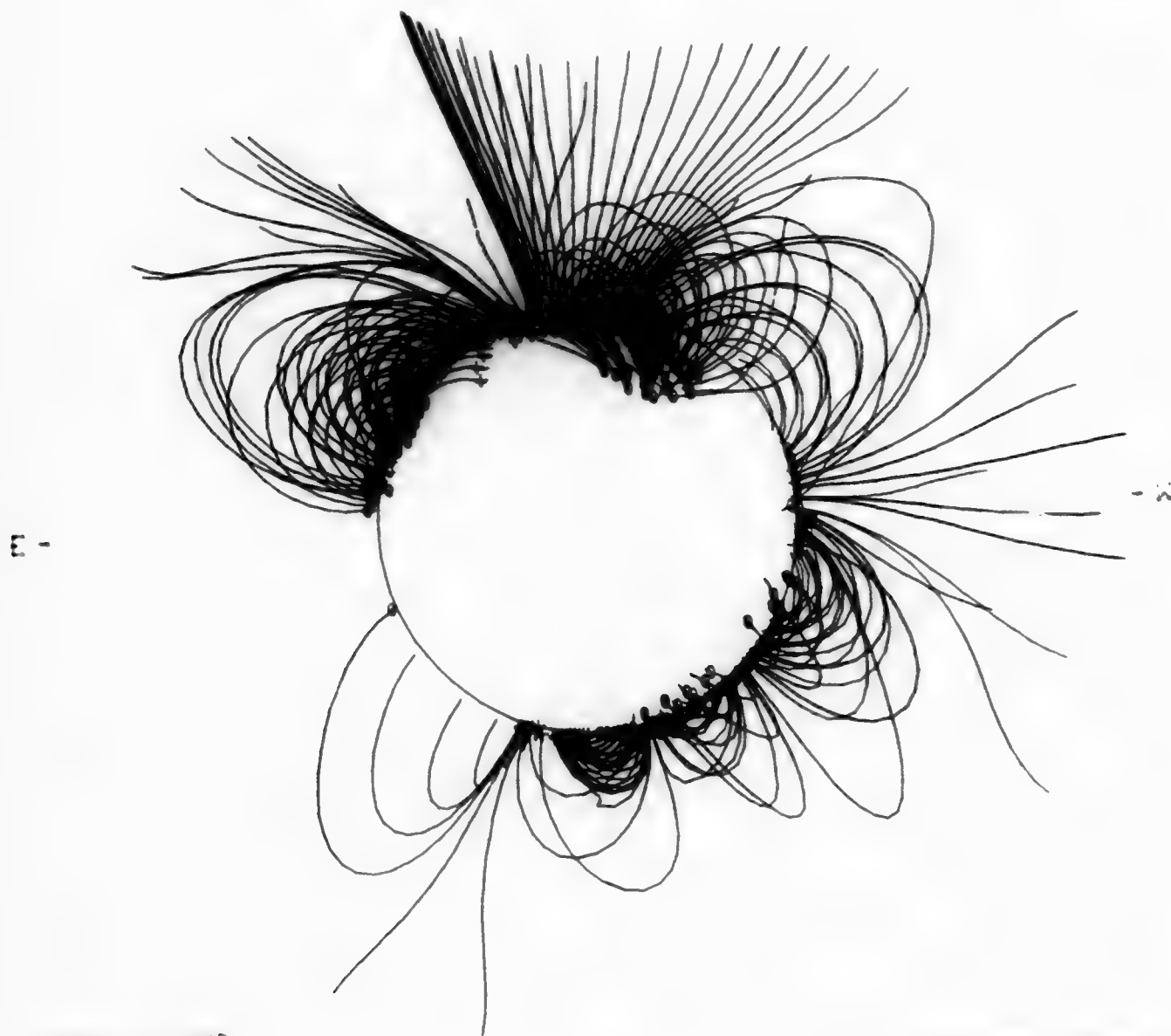
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

RLT. 1483 1483.140°
29.4 01 1484

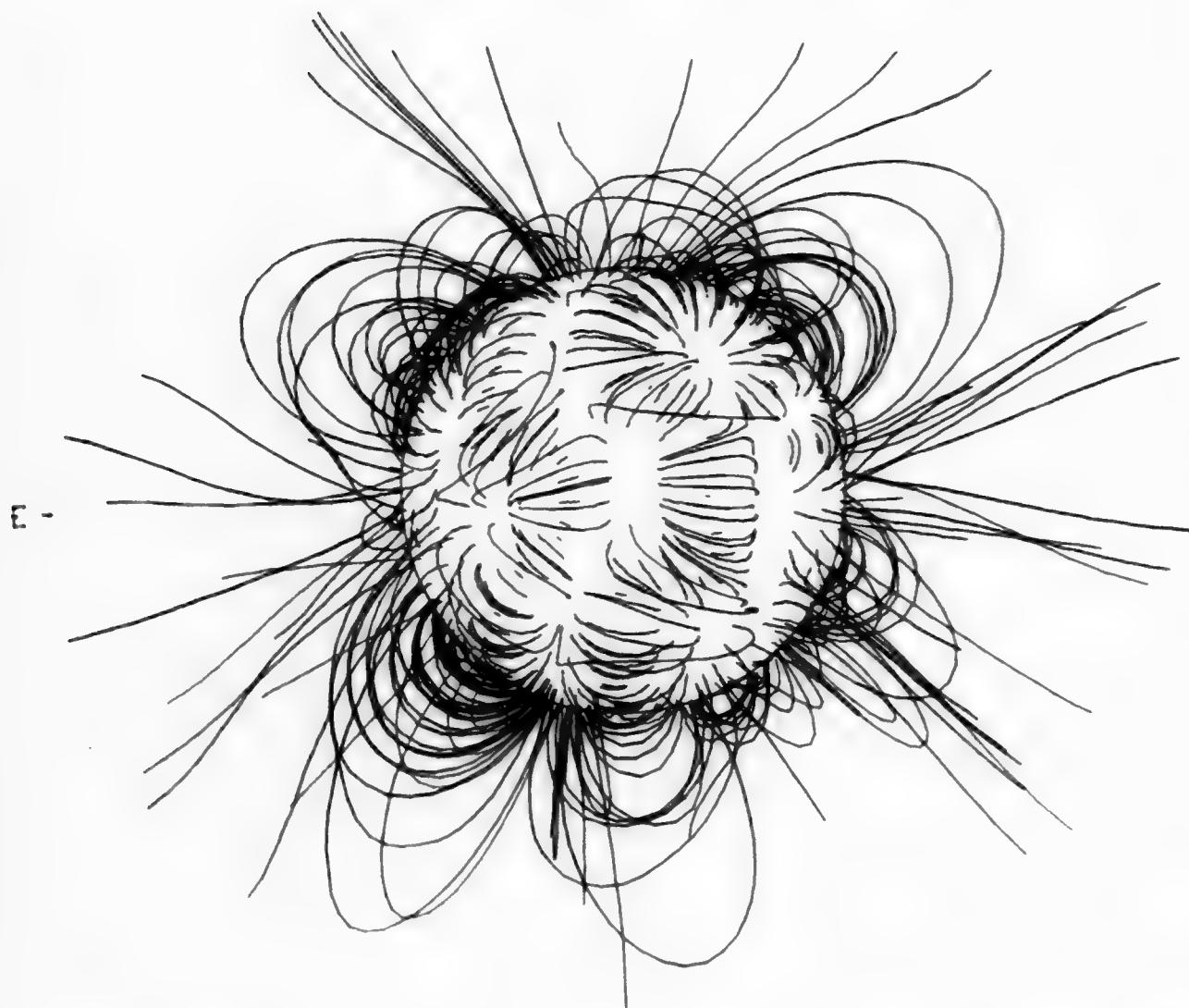
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

ROT. 1483 LONG. 141°
29.4 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

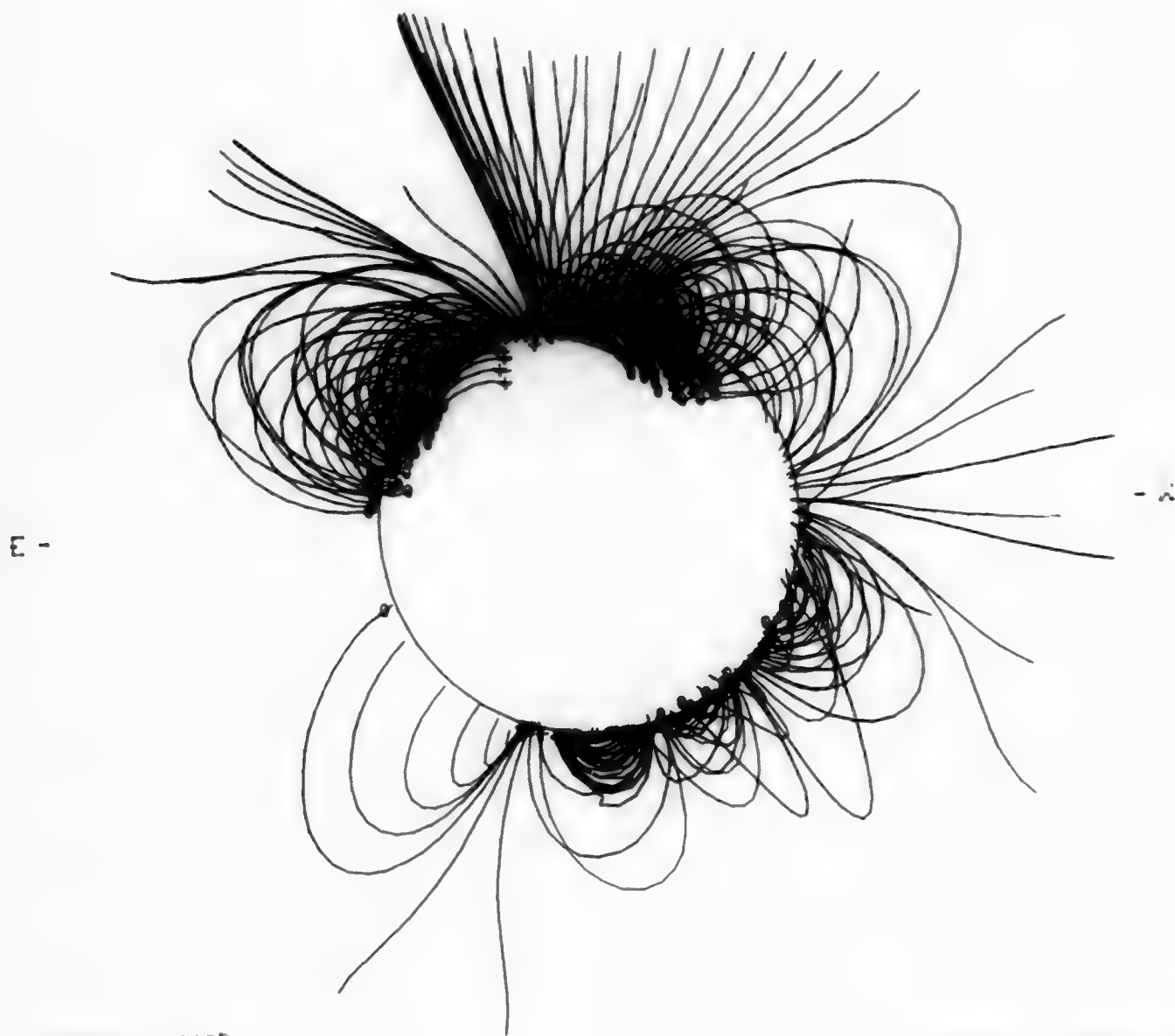


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1.83.00

1
S

ROT. 1.485 1.110. 1.30°
30.2 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

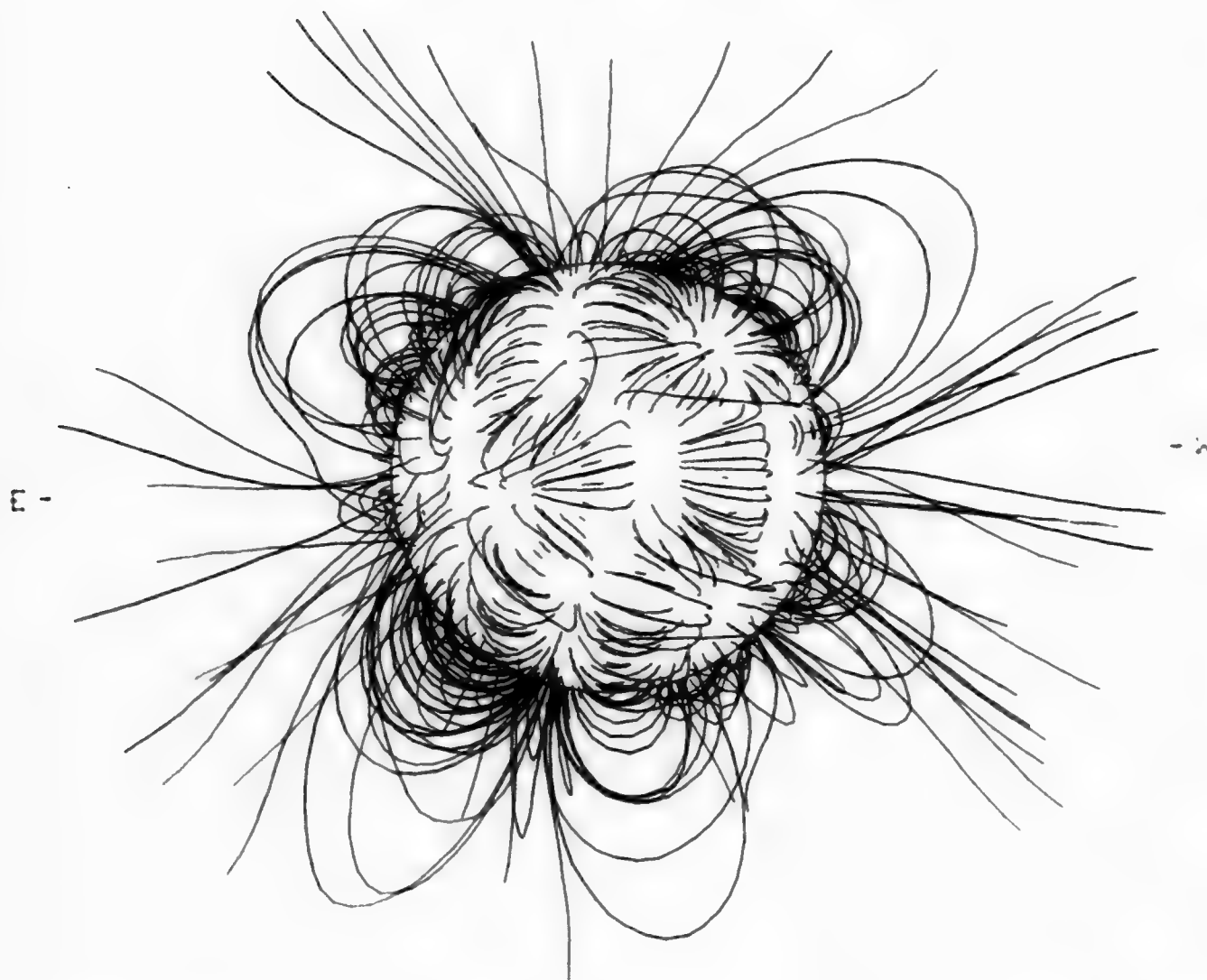


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

1
S

RCT. 1483 1016. 130°
30.2 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

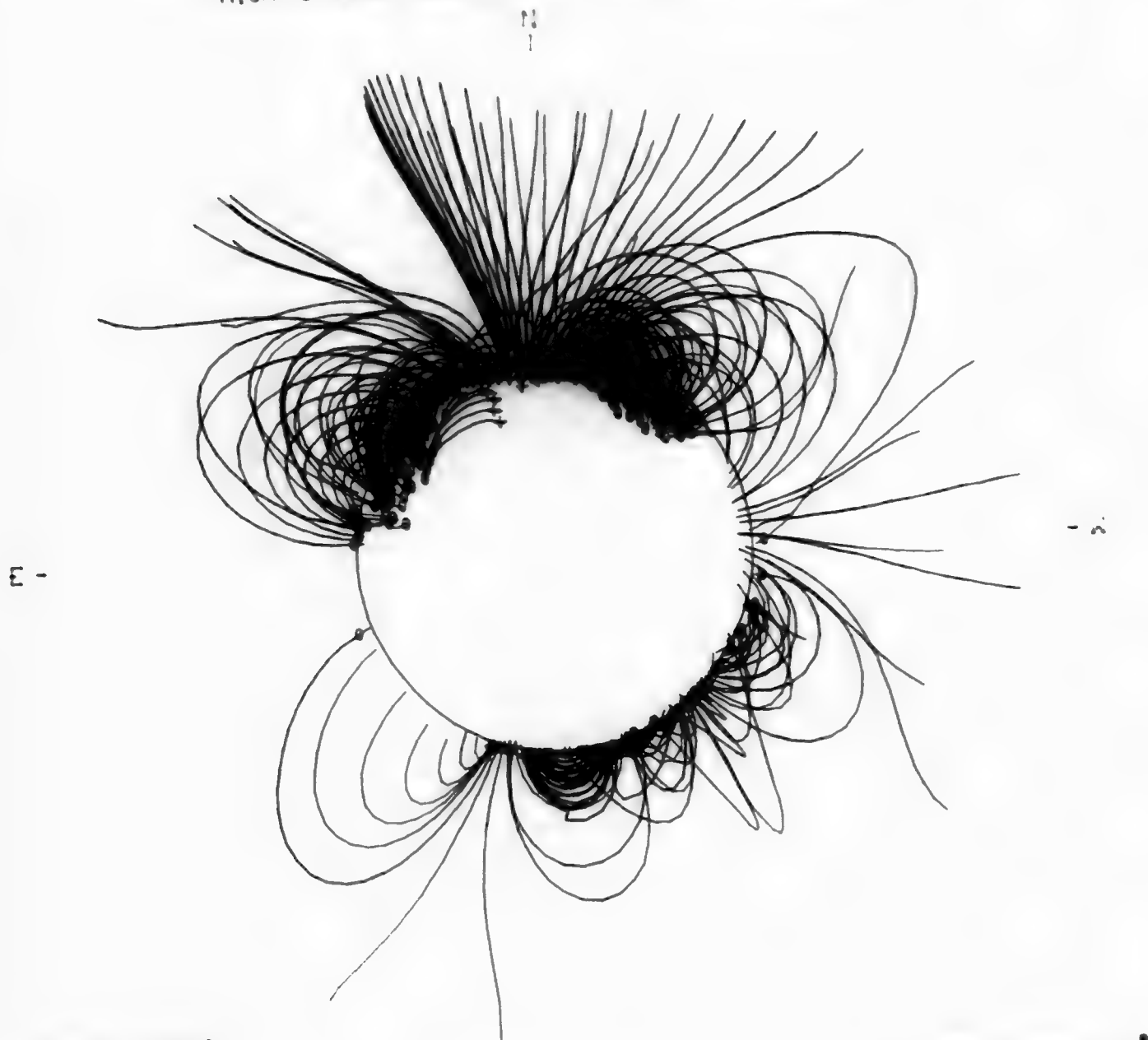


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1485.00

1
 S

ROT. 1485 LONG. 121°
 31.0 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

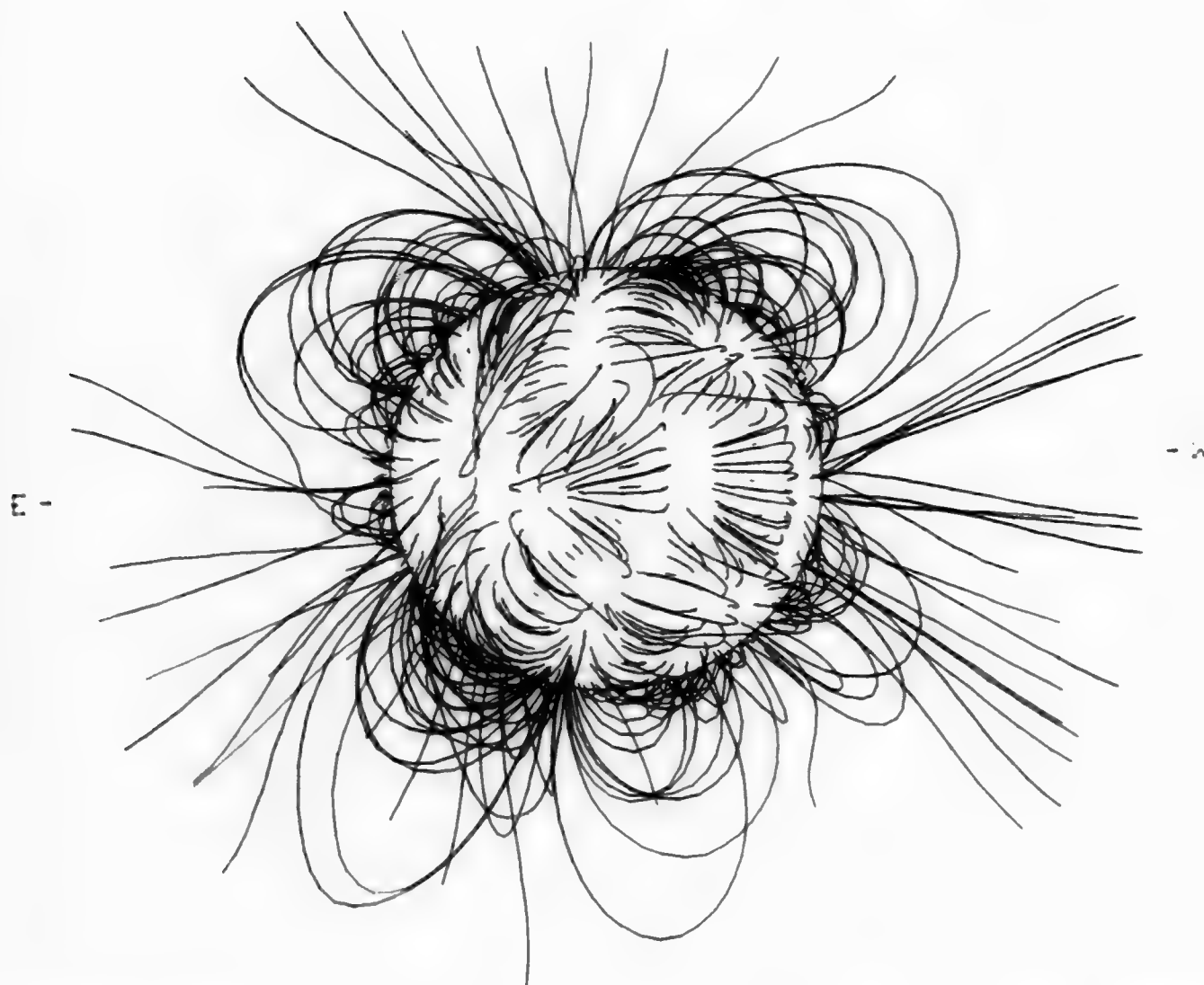


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1483.00

1
 S

RUT. 1483 LONG. 121°
 31.0 JUL 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

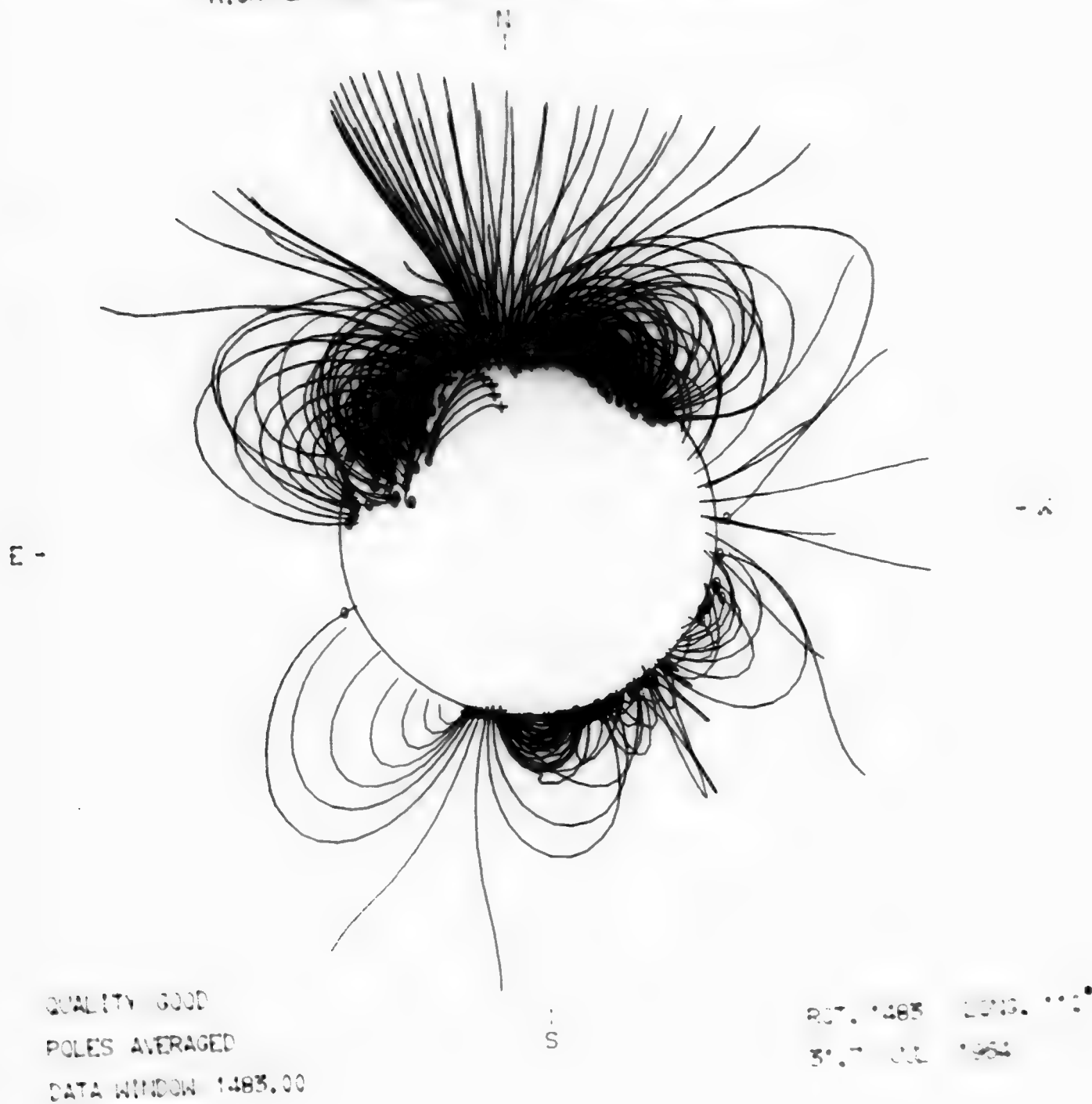


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

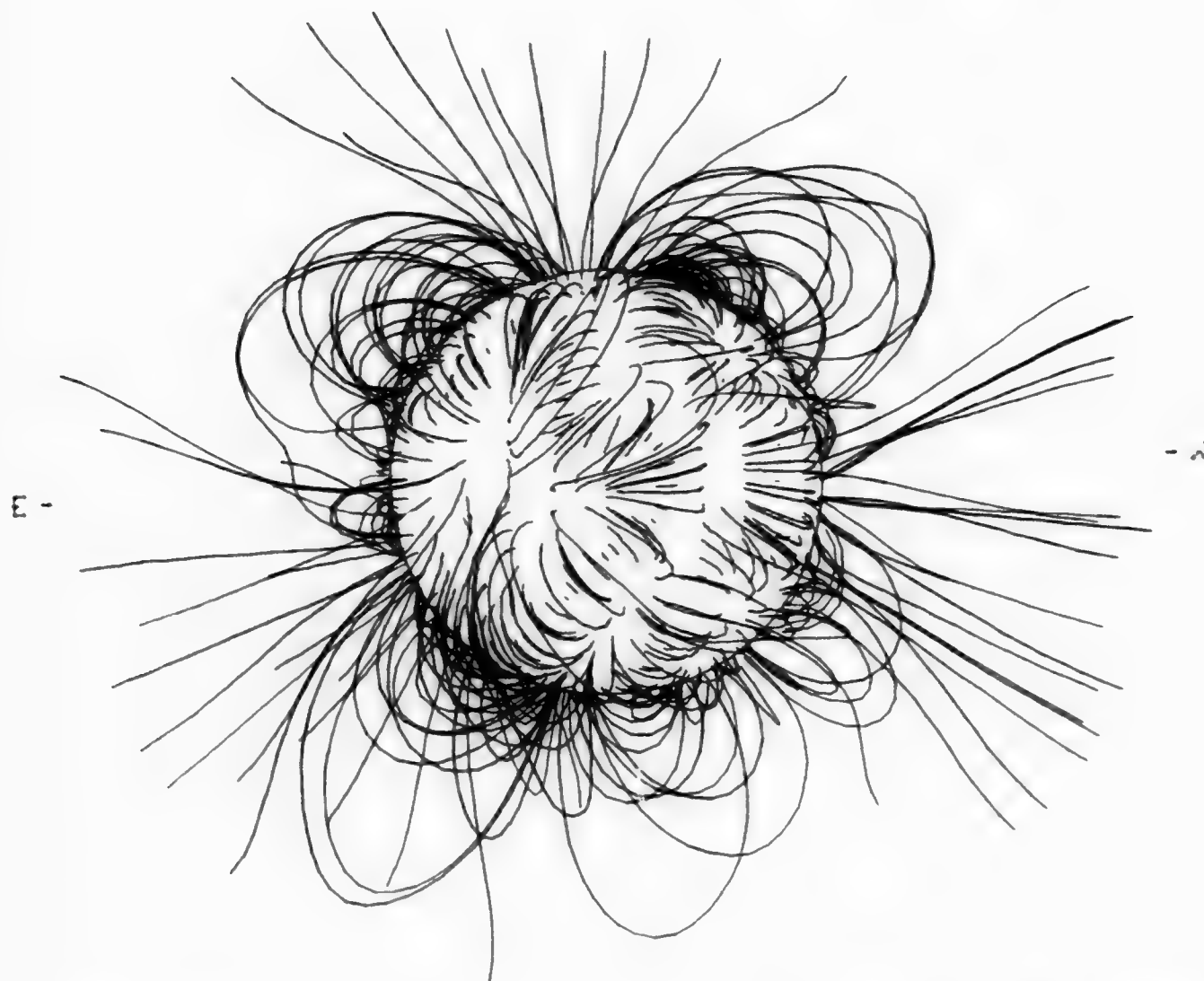
:
S

ROT. 1485 LONG. 111°
31.7 JUL 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

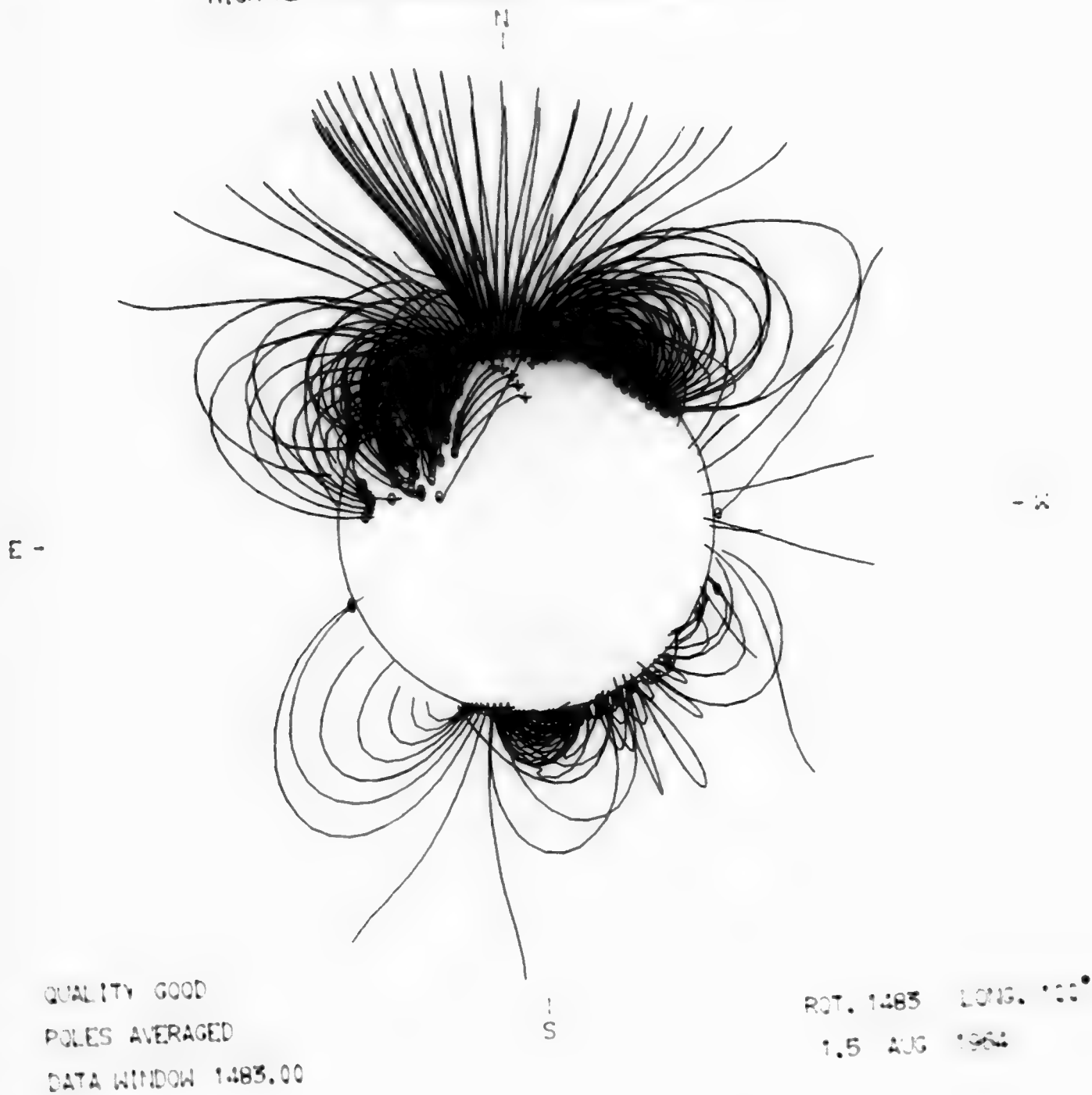


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

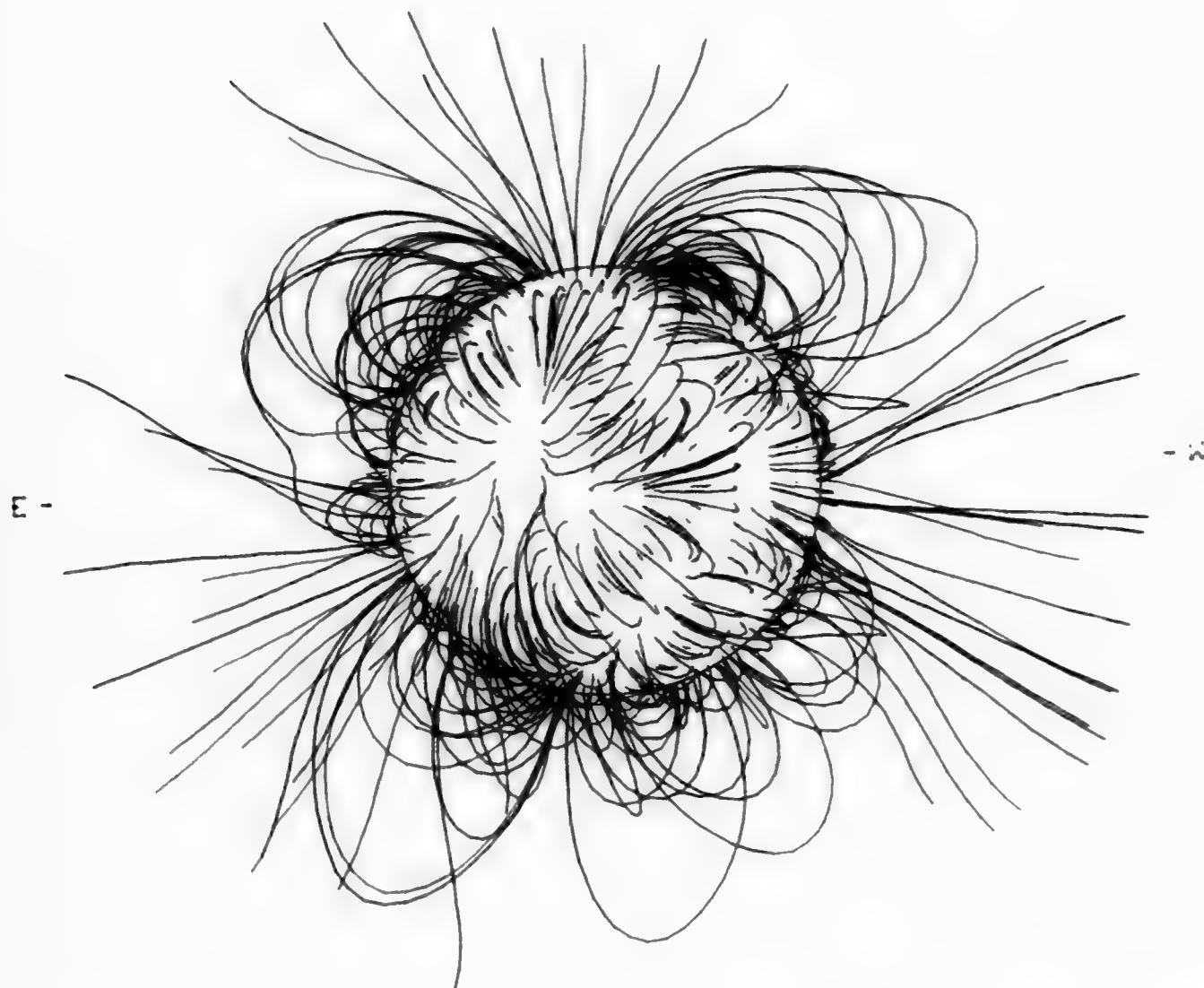
1
S

ROT. 1483 LONG. 111°
1.5 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



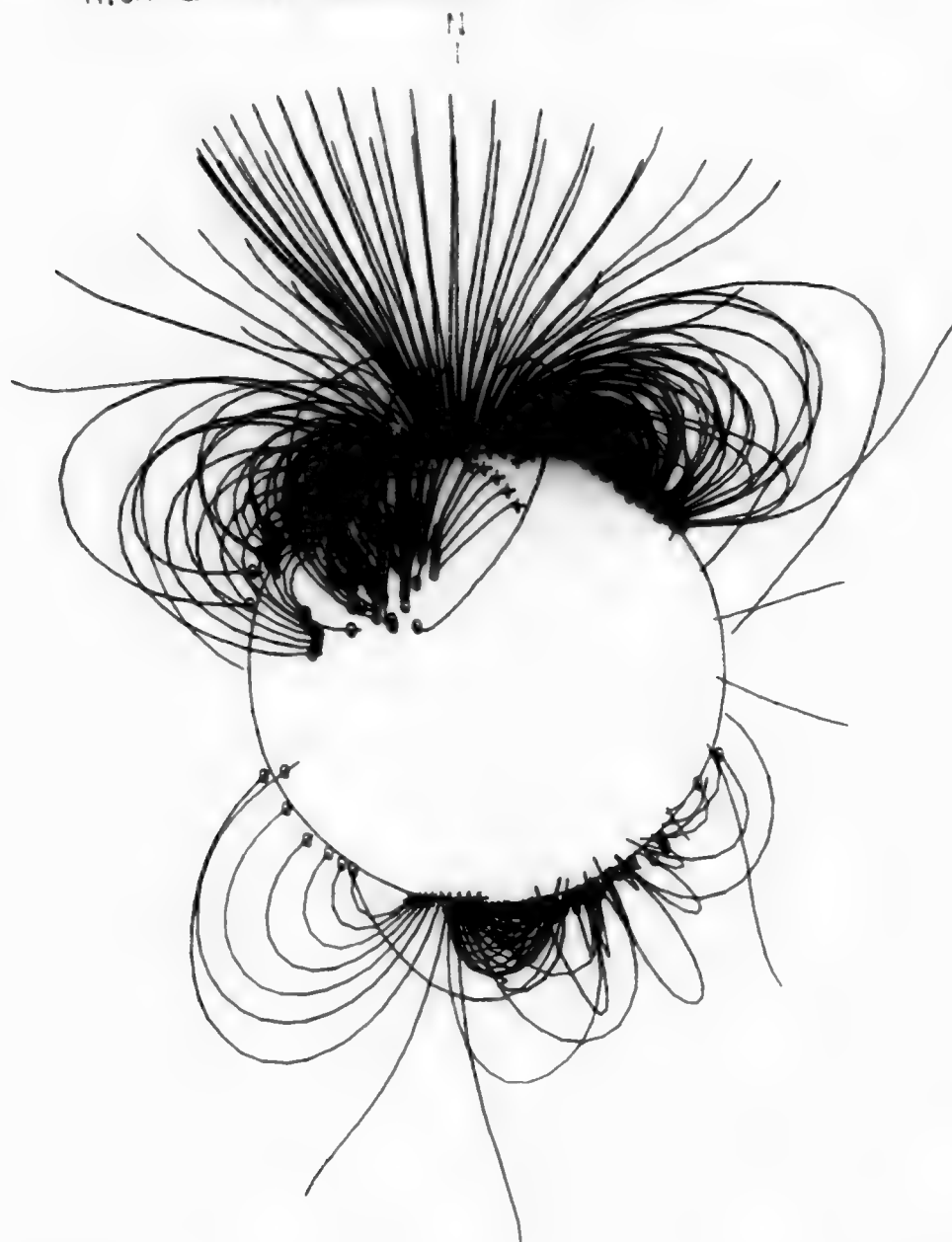
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

1
S

ROT. 1483 LONG. 90°
2.2 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

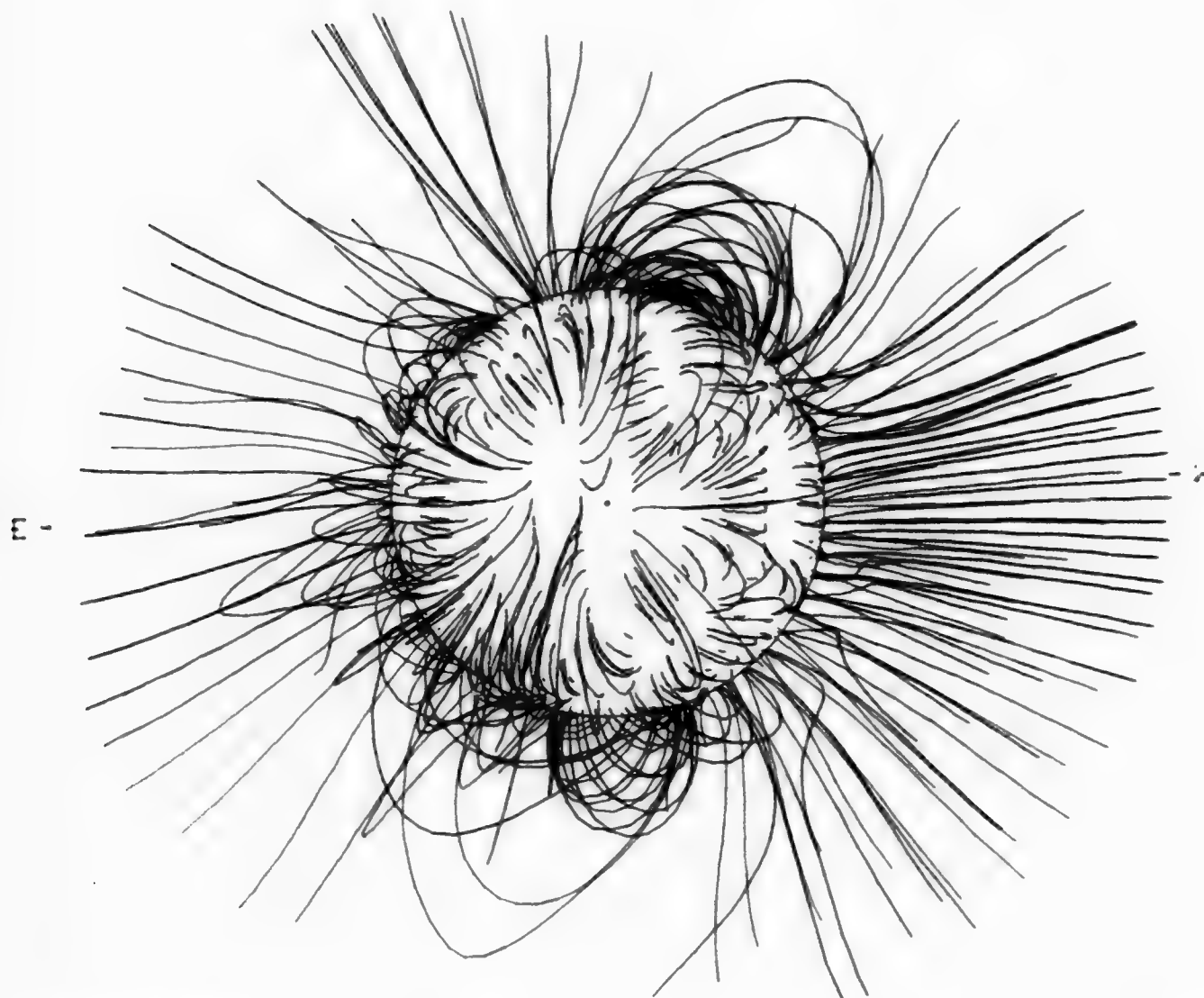


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.00

S

ROT. 1483 LONG. 90°
2.2 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

S

ROT. 1483 1483.47
3.0 200 1483

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

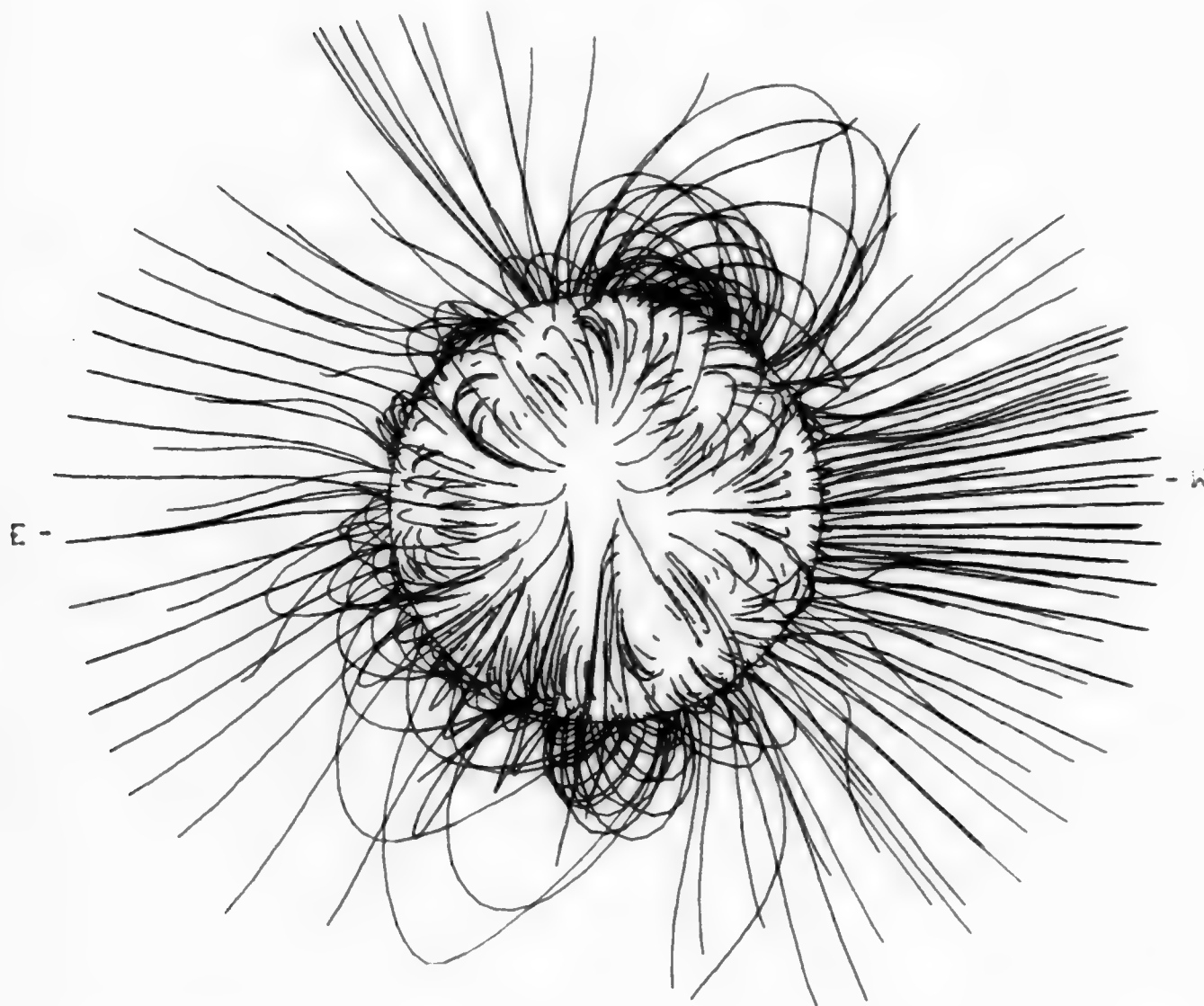
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

I
S

ROT. 1483 LONG. 60°
3.0 AUG 1964



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

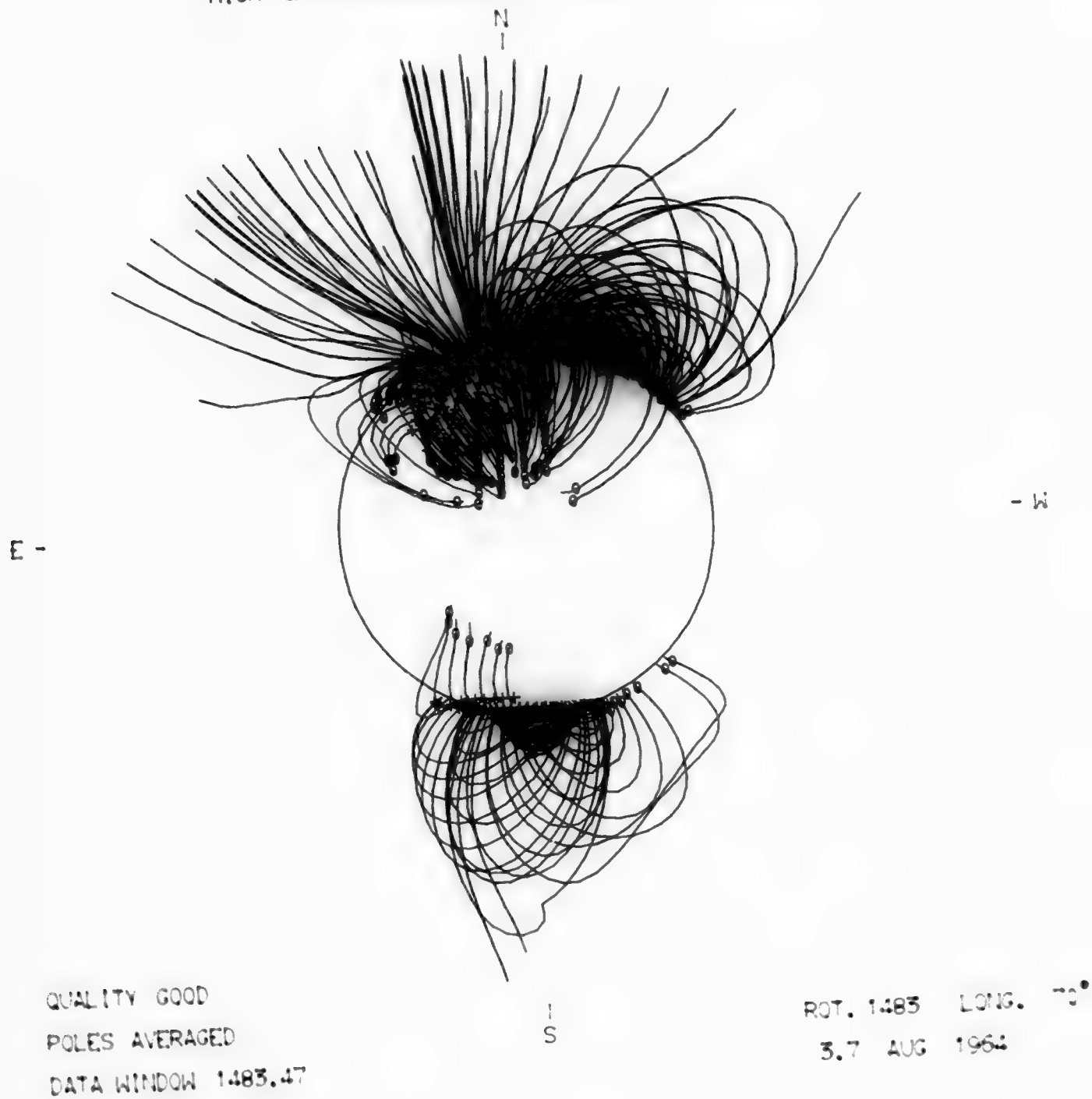


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

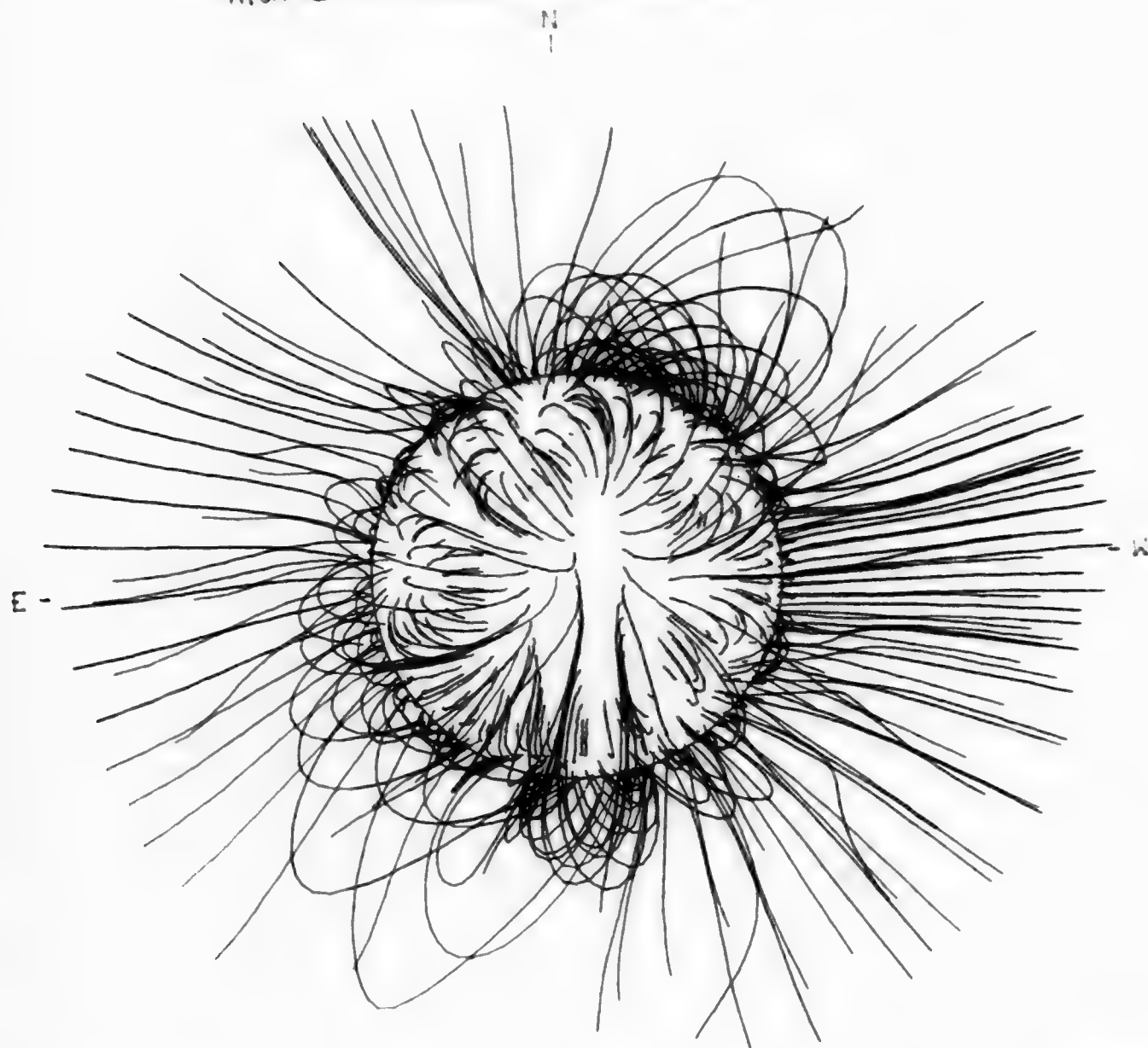
1
S

ROT. 1483 LONG. 71°
3.7 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



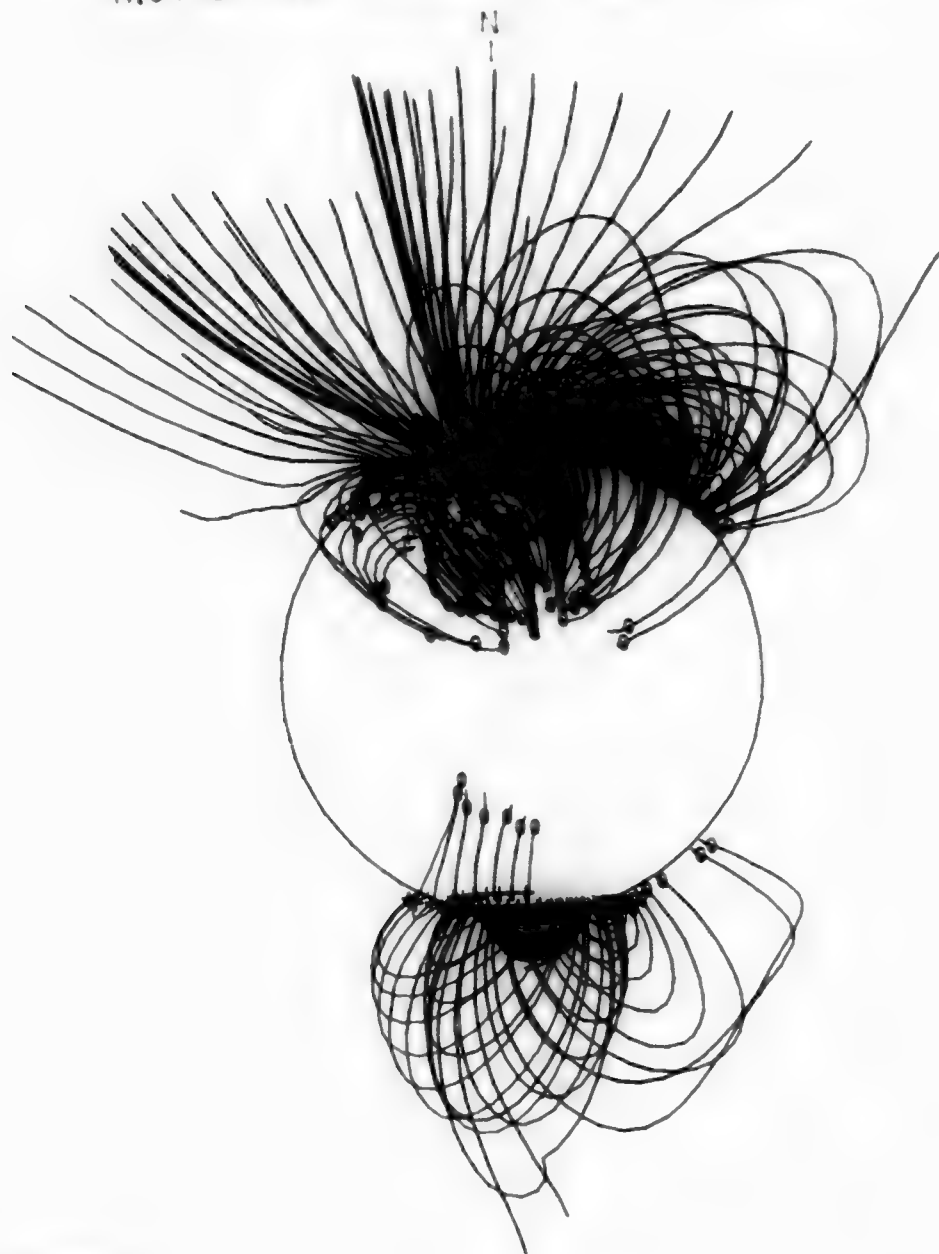
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

S

ROT. 1485 LONG. 61°
4.5 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

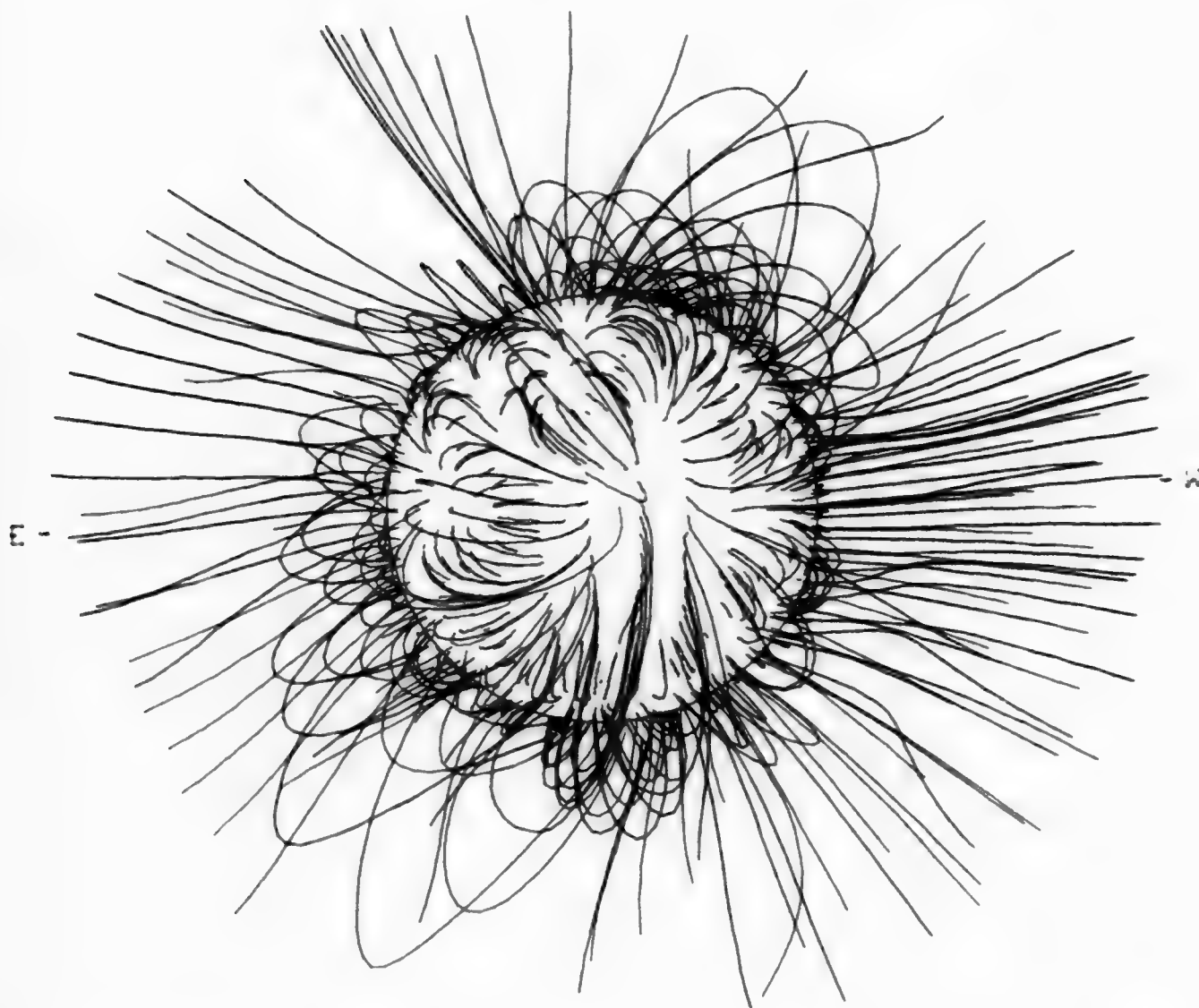


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

S

ROT. 1483 LONG. 61°
4.5 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

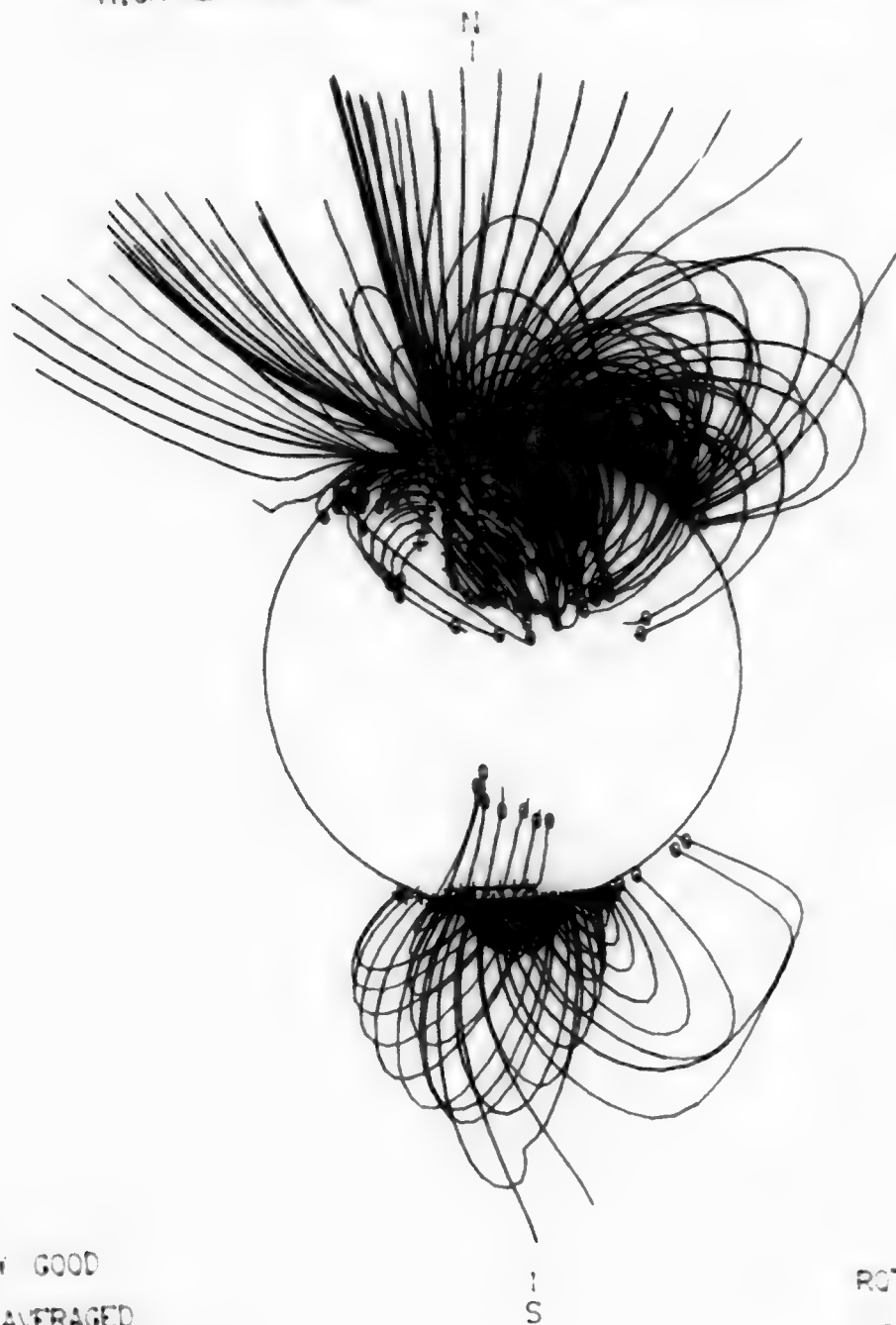


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

1
S

ROT. 1483 LONG. 50°
5.2 AUG 1964

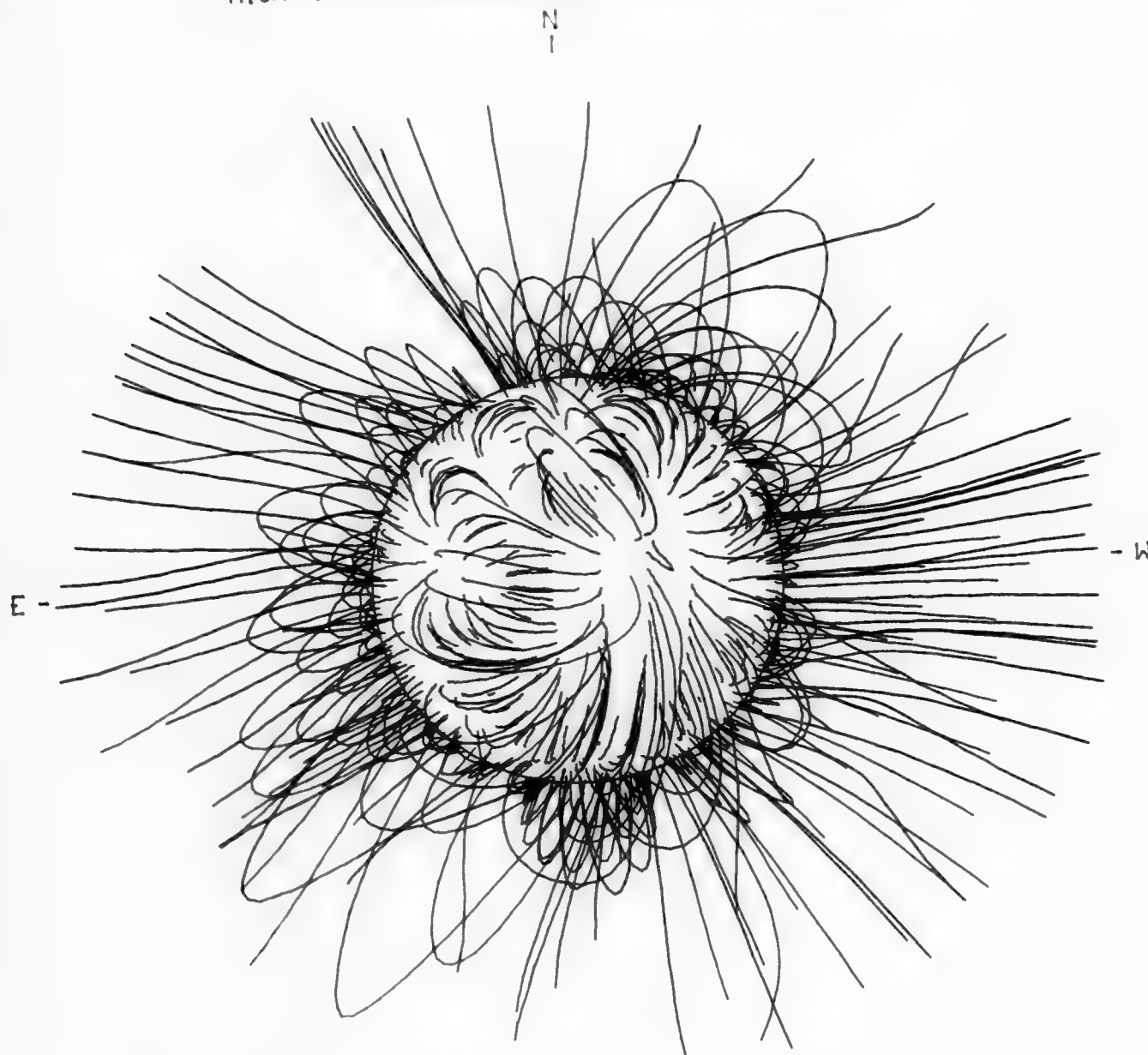
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

ROT. 1483 LONG. 50°
5.2 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

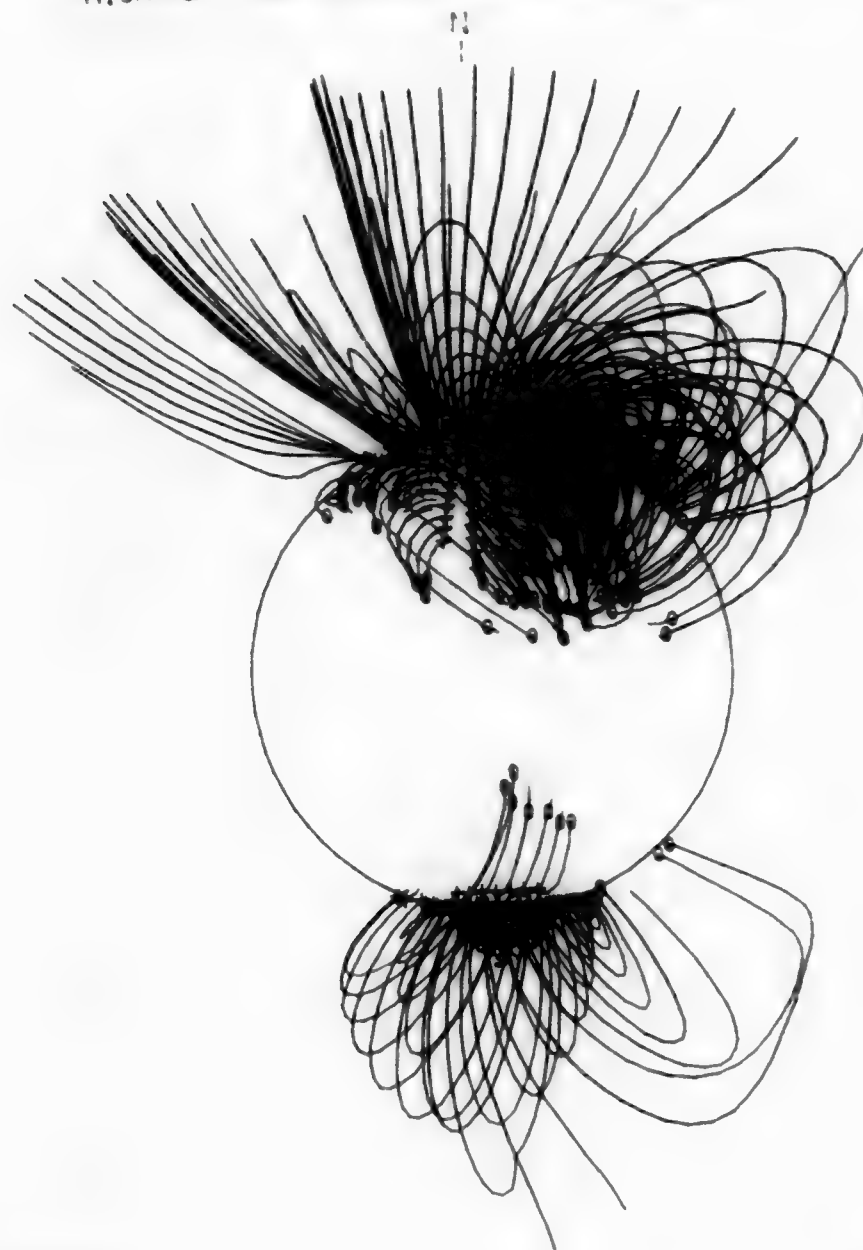


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

I
S

ROT. 1483 LONG. 40°
6.0 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



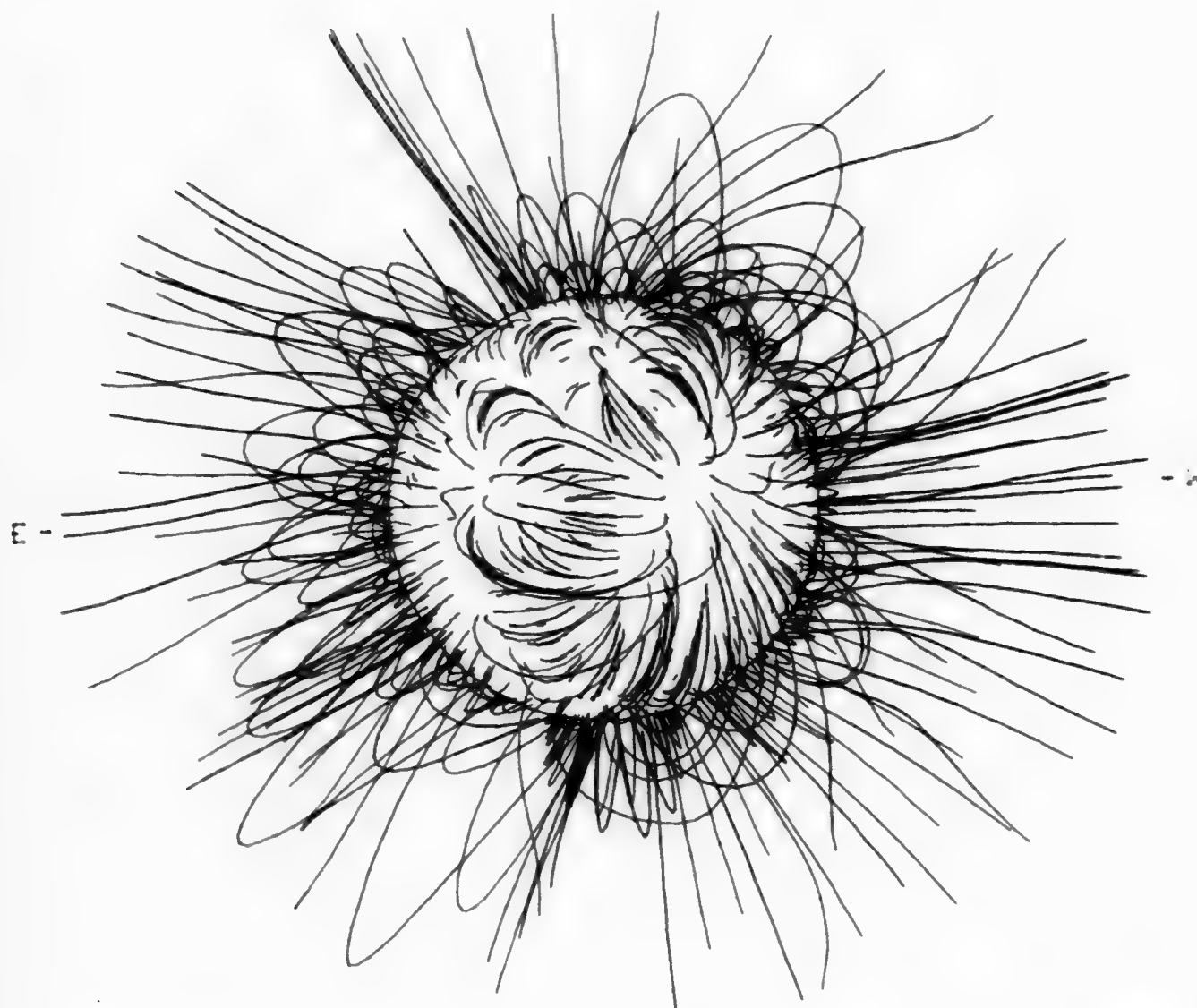
E -

QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

1
S

RJT. 1483 1416. 20°
6.0 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

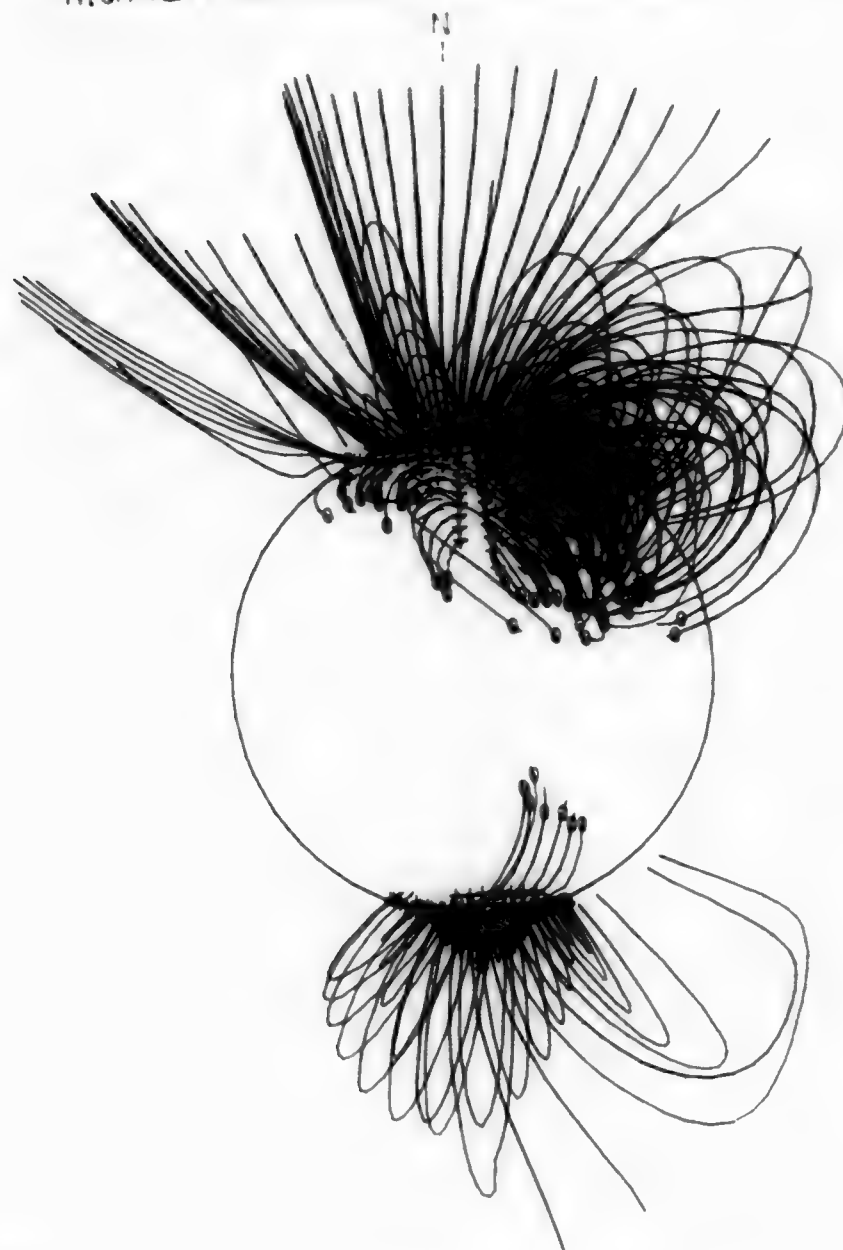


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

1
S

ROT. 1483 LONG. 50°
6.7 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



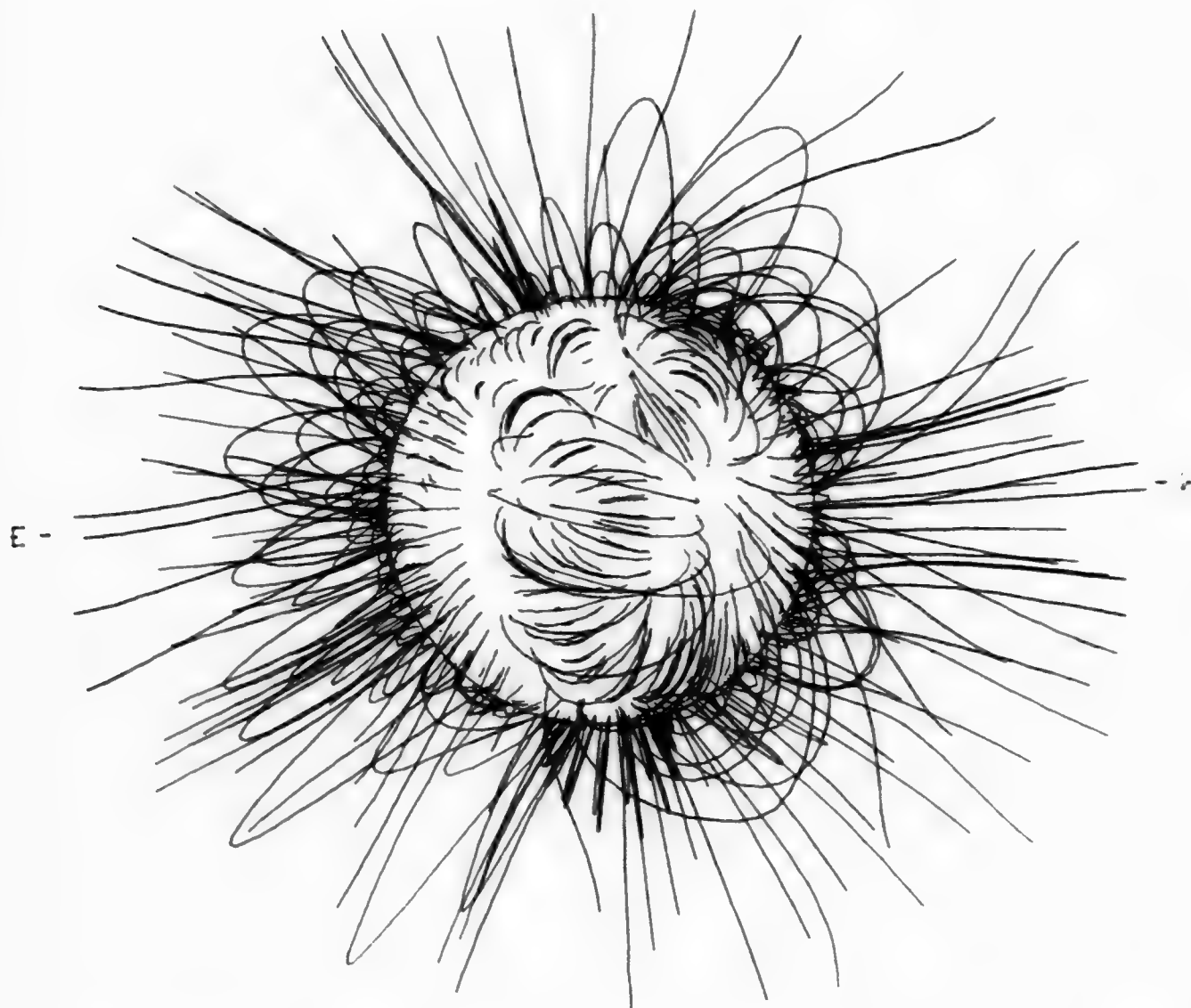
E -

QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

S

ROT. 1485 LONG. 50°
5.7 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

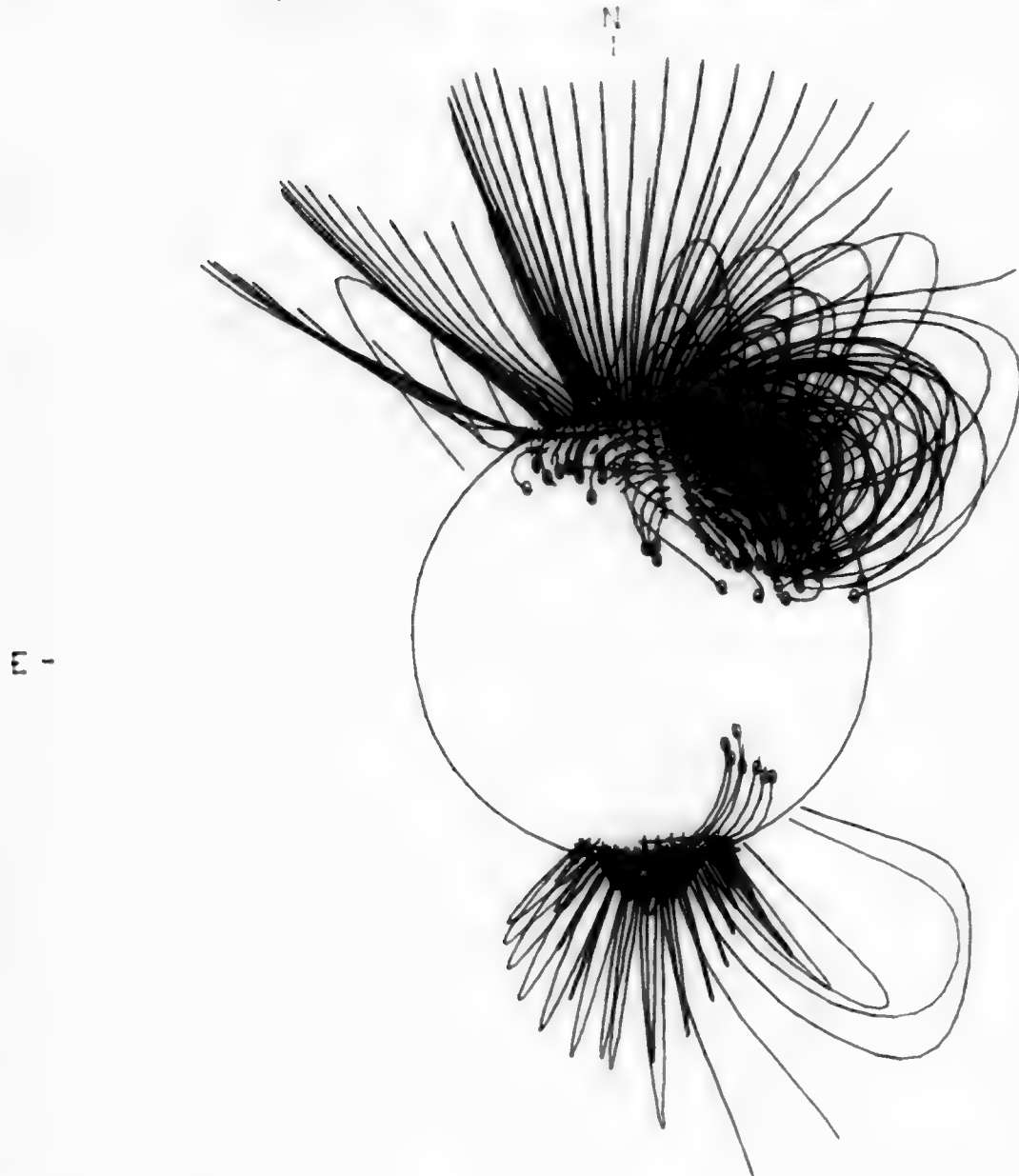


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

S

ROT. 1485 LONG. 20°
7.5 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

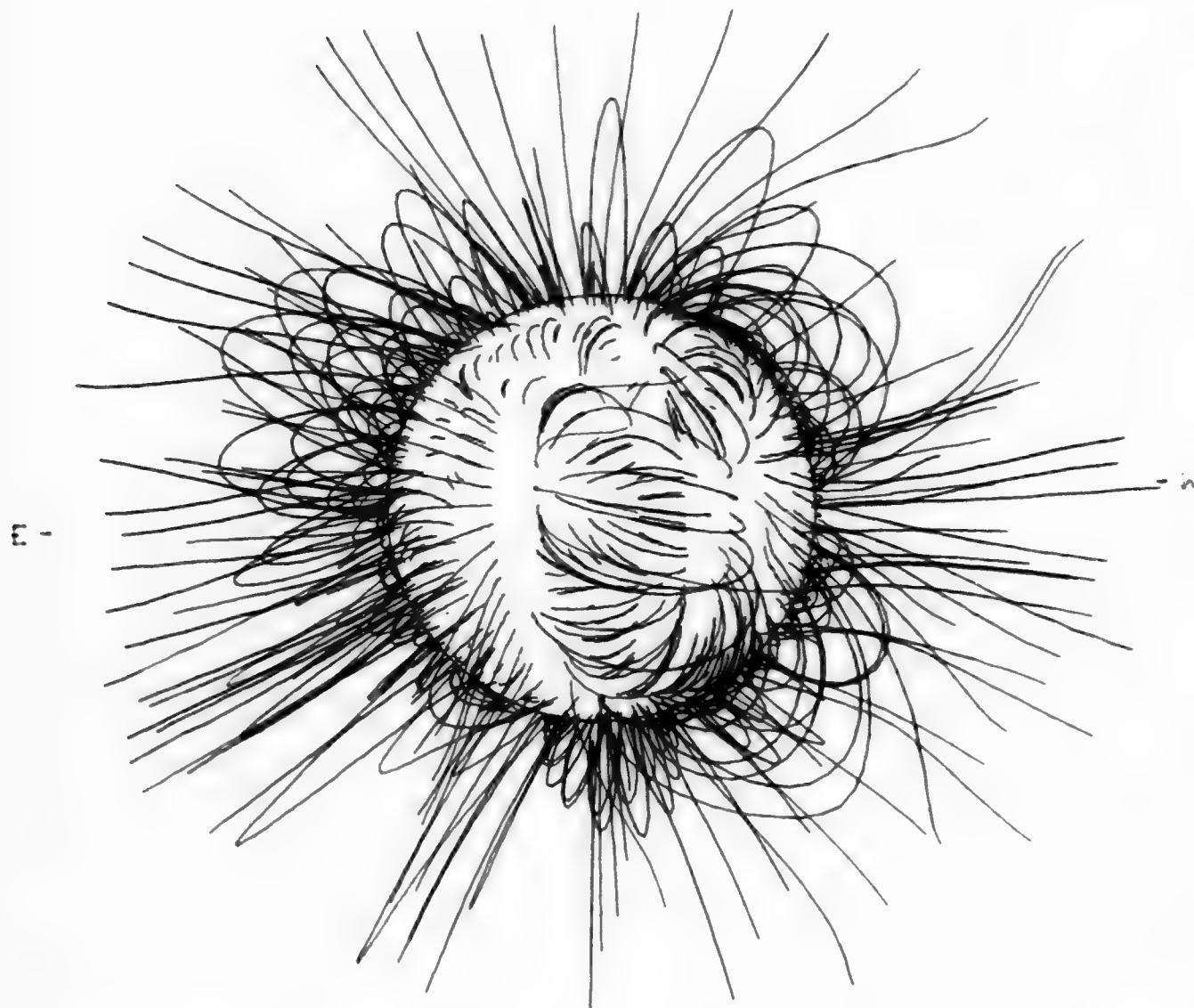


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1483.47

S

ROT. 1483 LONG. 20°
 7.5 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

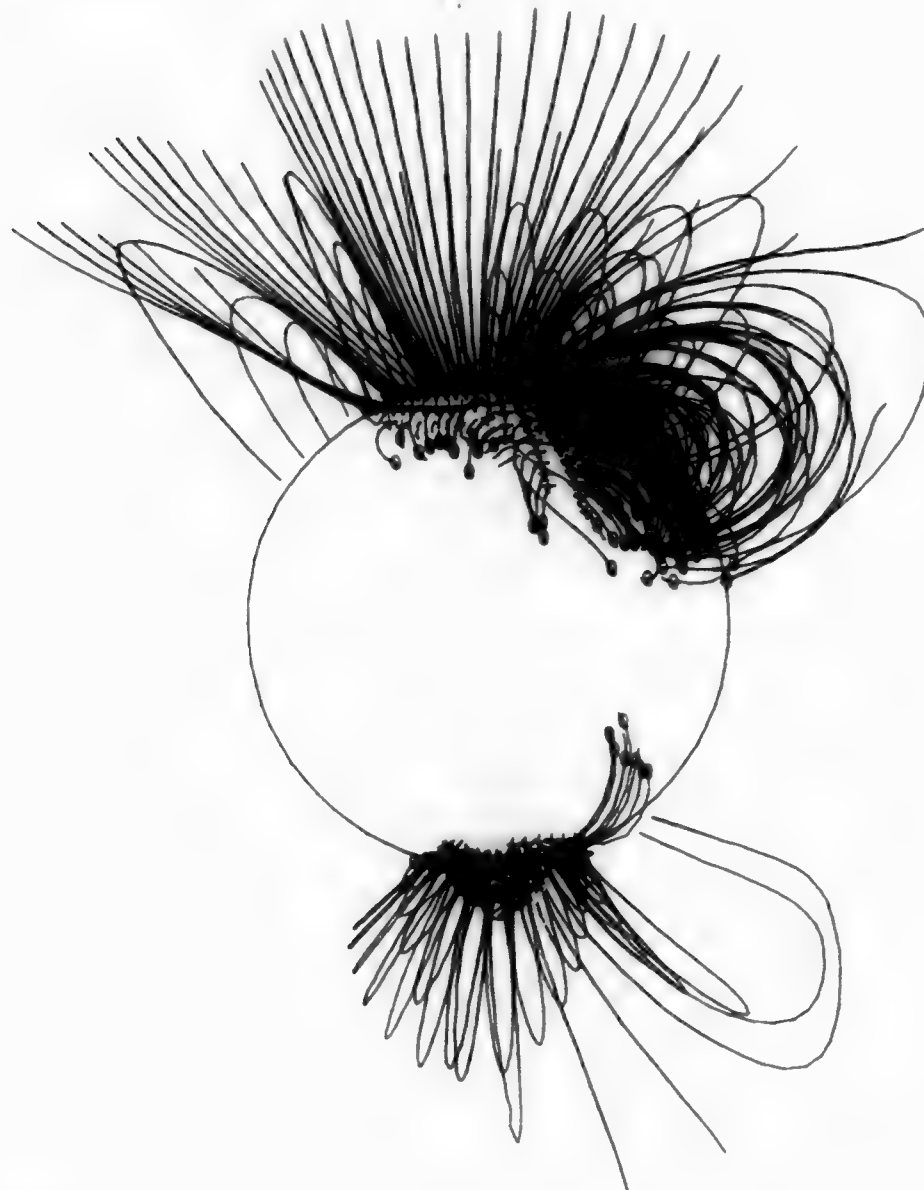


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1485.47

S

RUT. 1485 LONG. 11°
8.3 AUG 1964

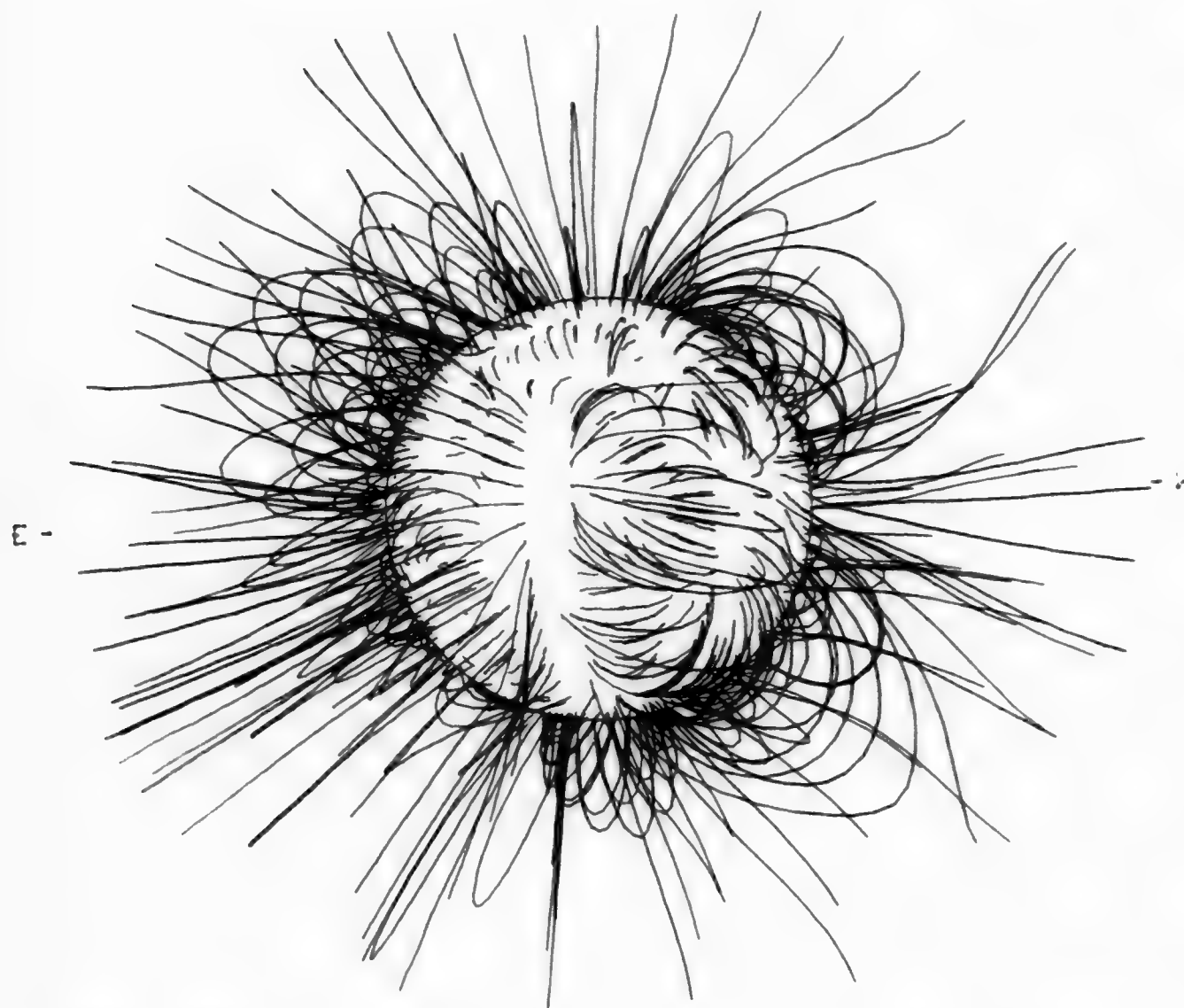
HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

RCT. 1483 LONG. 10°
8.3 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

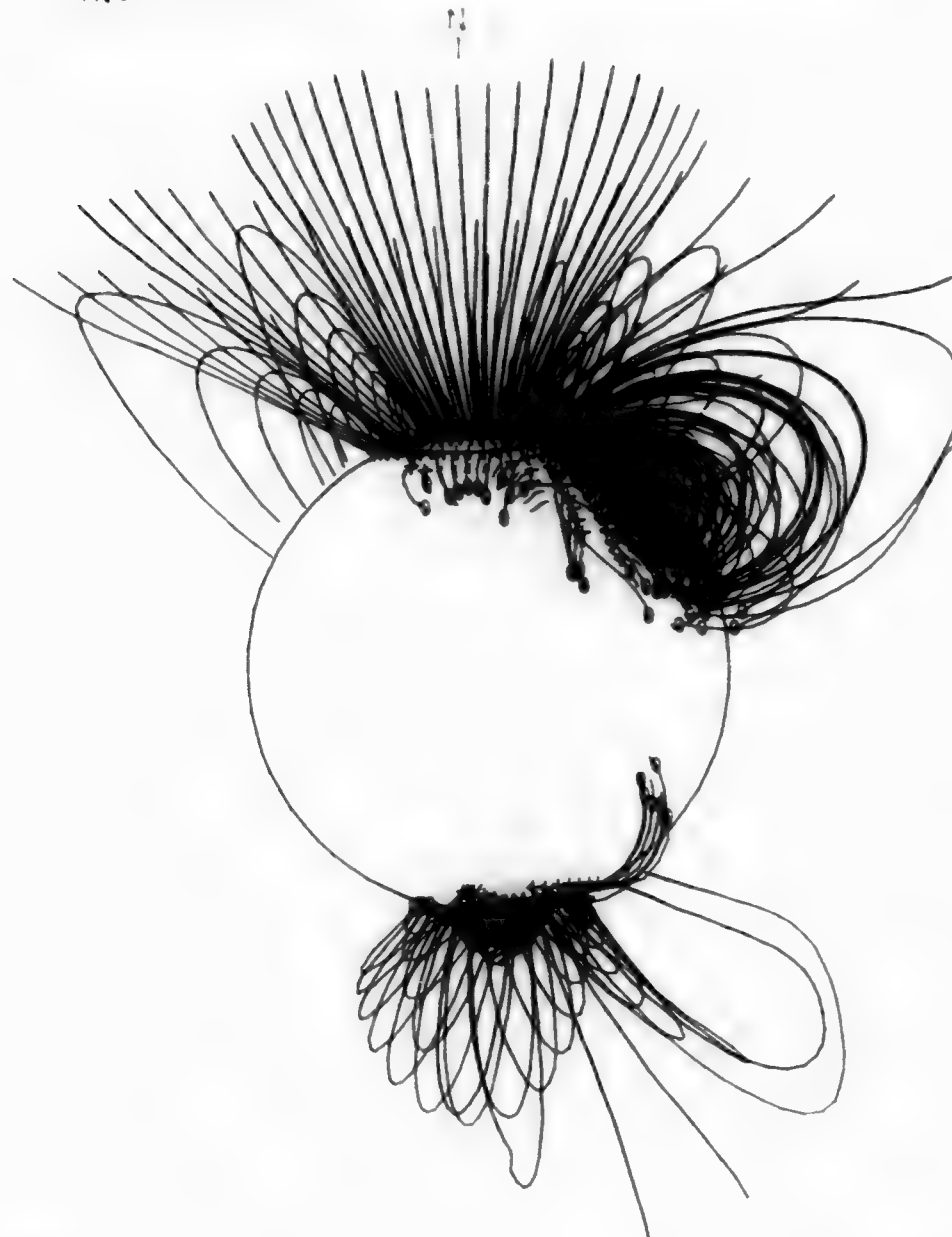


QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1483.47

S

ROT. 1485 2010. 0°
 9.0 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



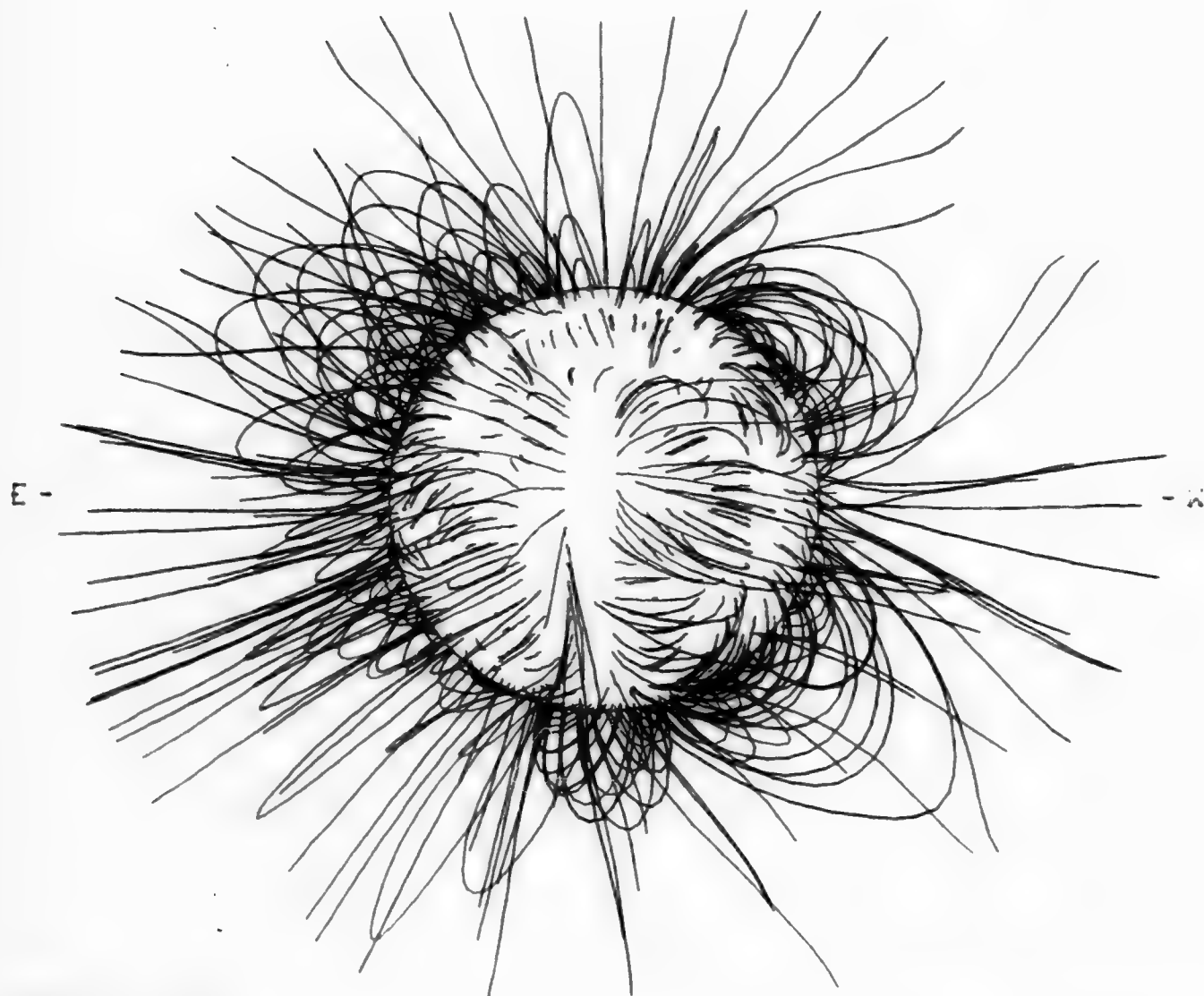
E -

QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

S

ROT. 1483 2015. 1
9.0 AUG 1984

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1485.47

N
S

ROT. 1484 LONG. 350°

9.8 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -



QUALITY GOOD

POLES AVERAGED

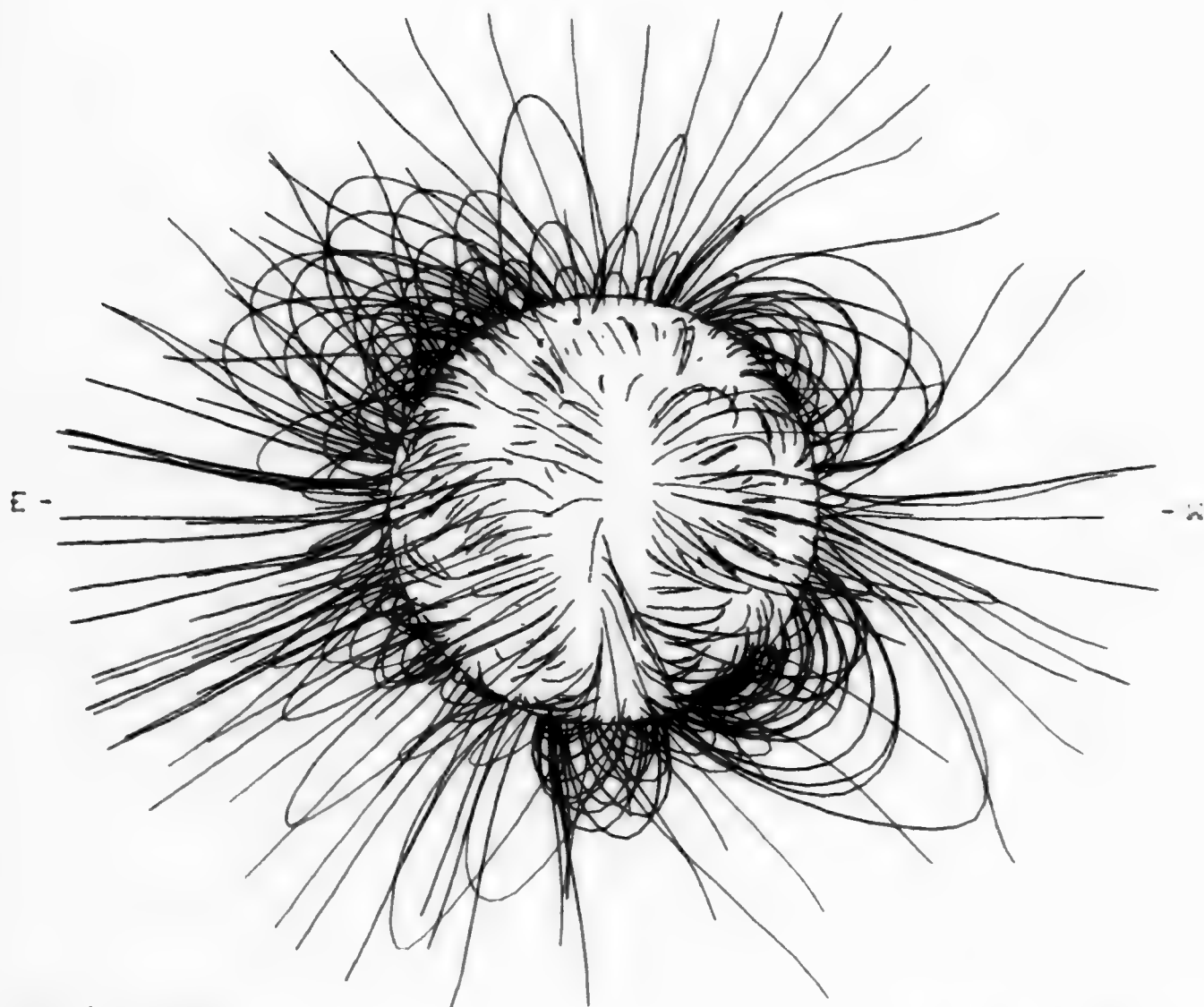
DATA WINDOW 1483.47

1
S

ROT. 1484 LONG. 350°

9.8 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1483.47

N
S

ROT. 1484 LONG. 341°

10.5 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

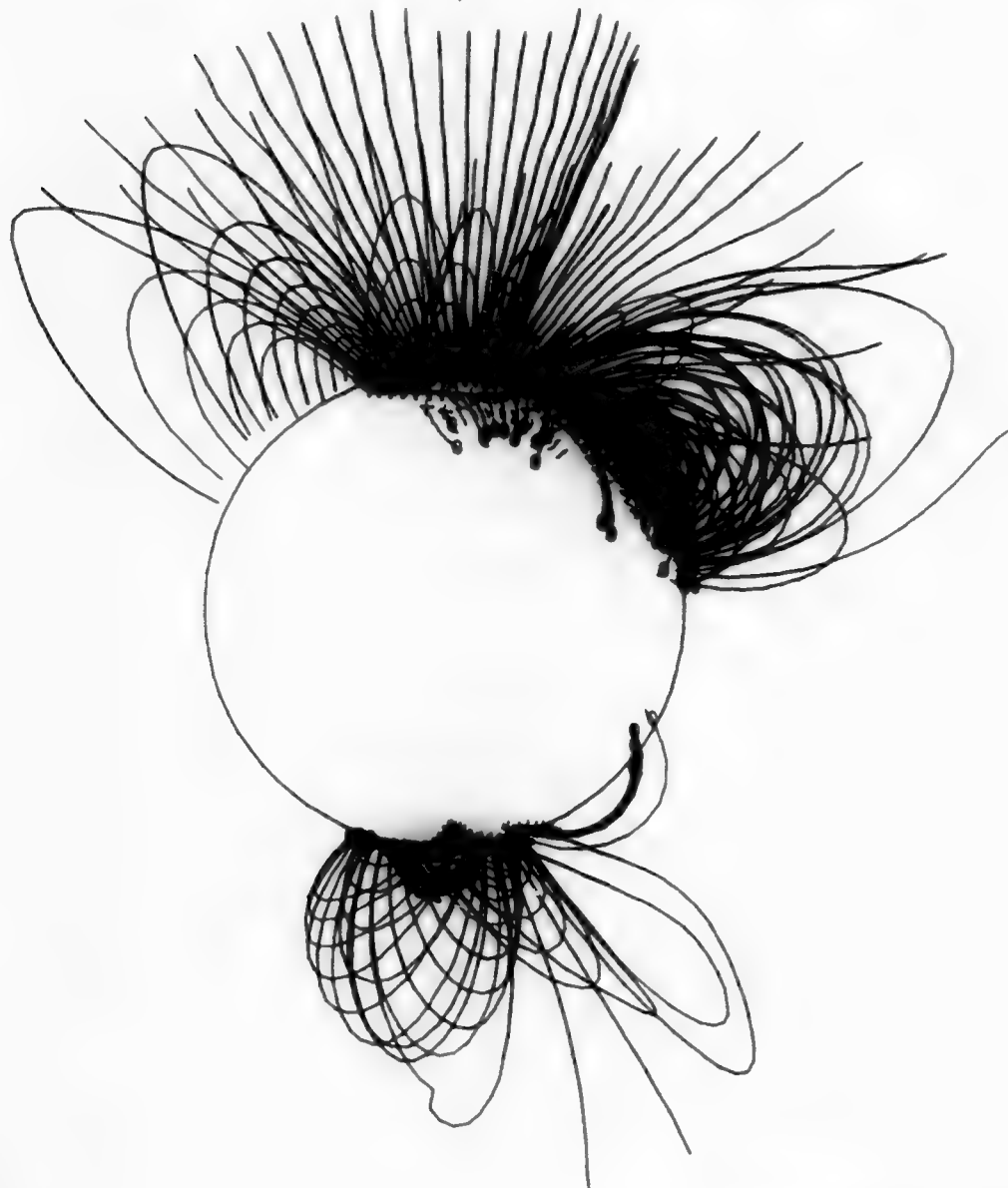
E -

- W

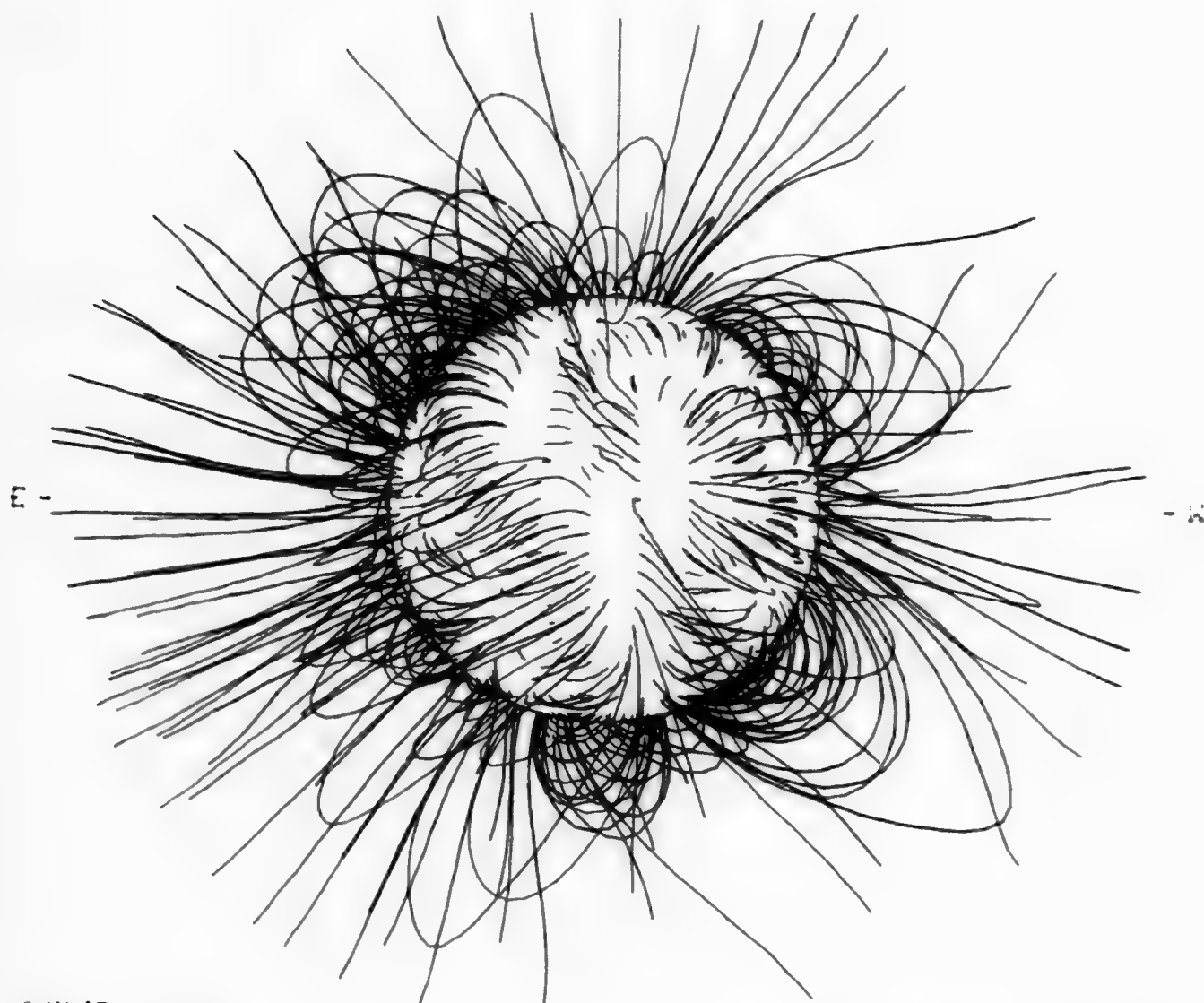
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

I
S

ROT. 1484 LONG. 340°
10.5 AUG 1964



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

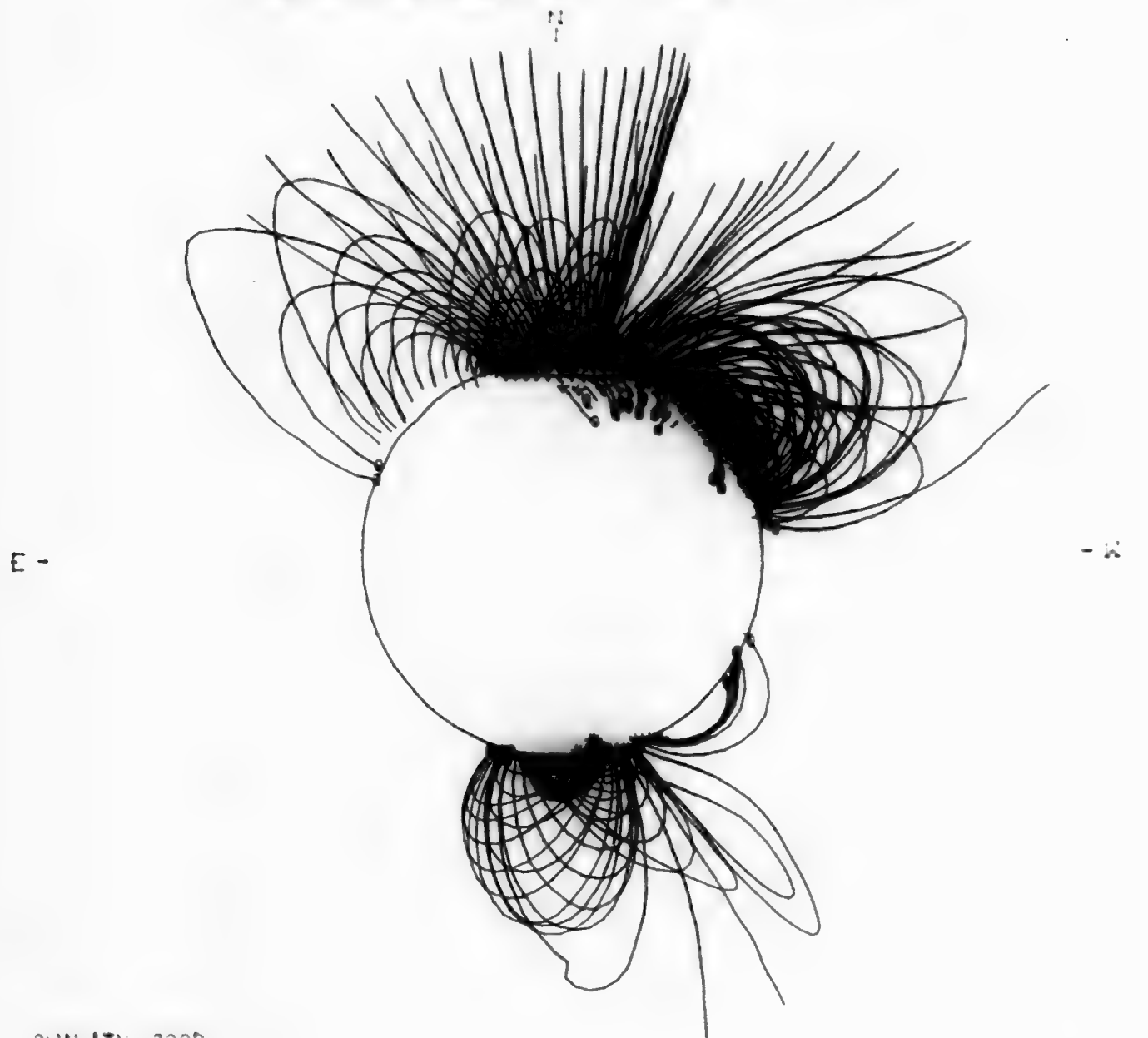
DATA WINDOW 1483.47

1
S

ROT. 1484 LONG. 330°

11.3 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

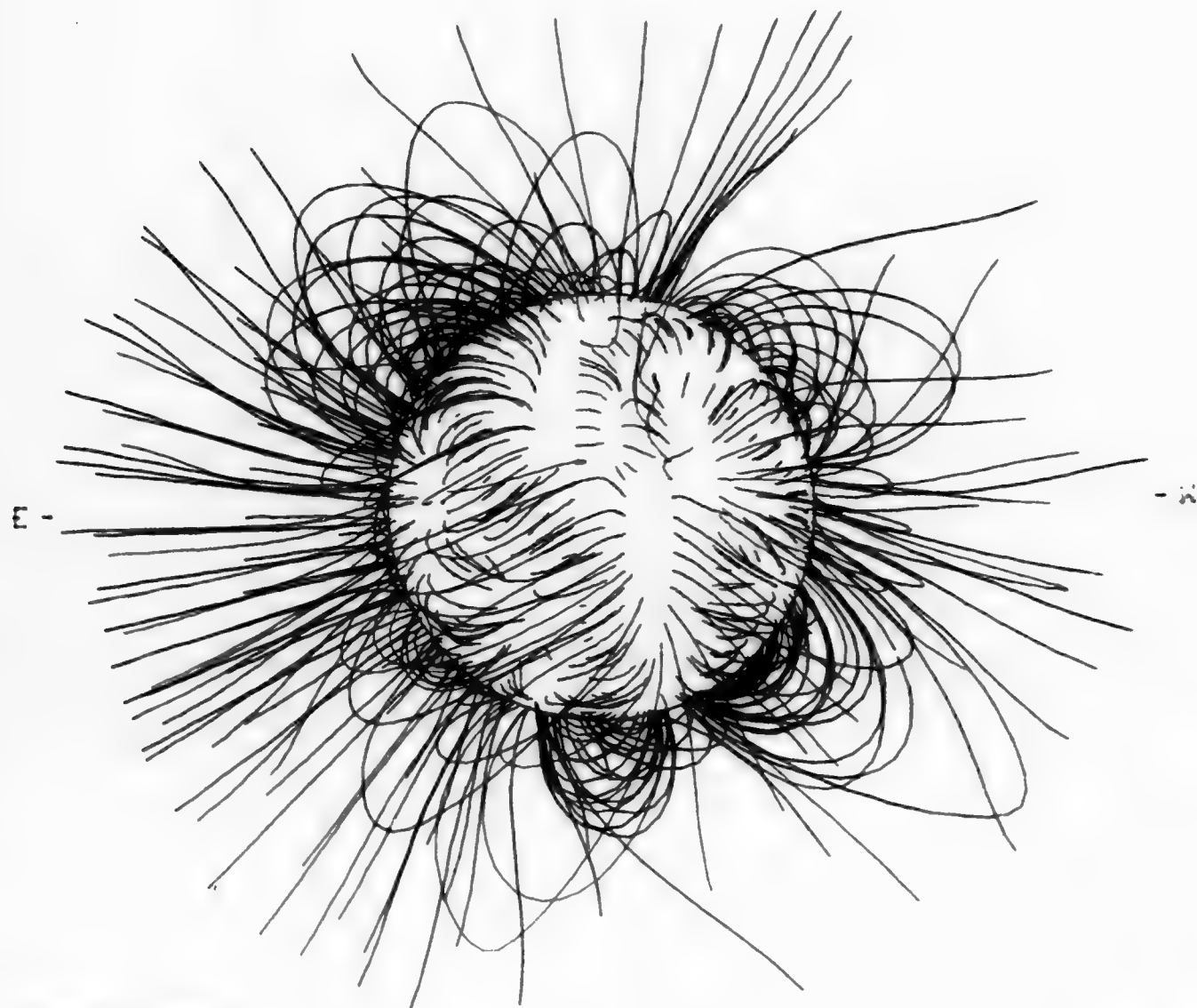
DATA WINDOW 1483.47

1
S

ROT. 1484 LONG. 330°

11.3 AUG 1962

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD
 POLES AVERAGED
 DATA WINDOW 1485.47

1
 S

ROT. 1484 LONG. 500°
 12.1 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

- W

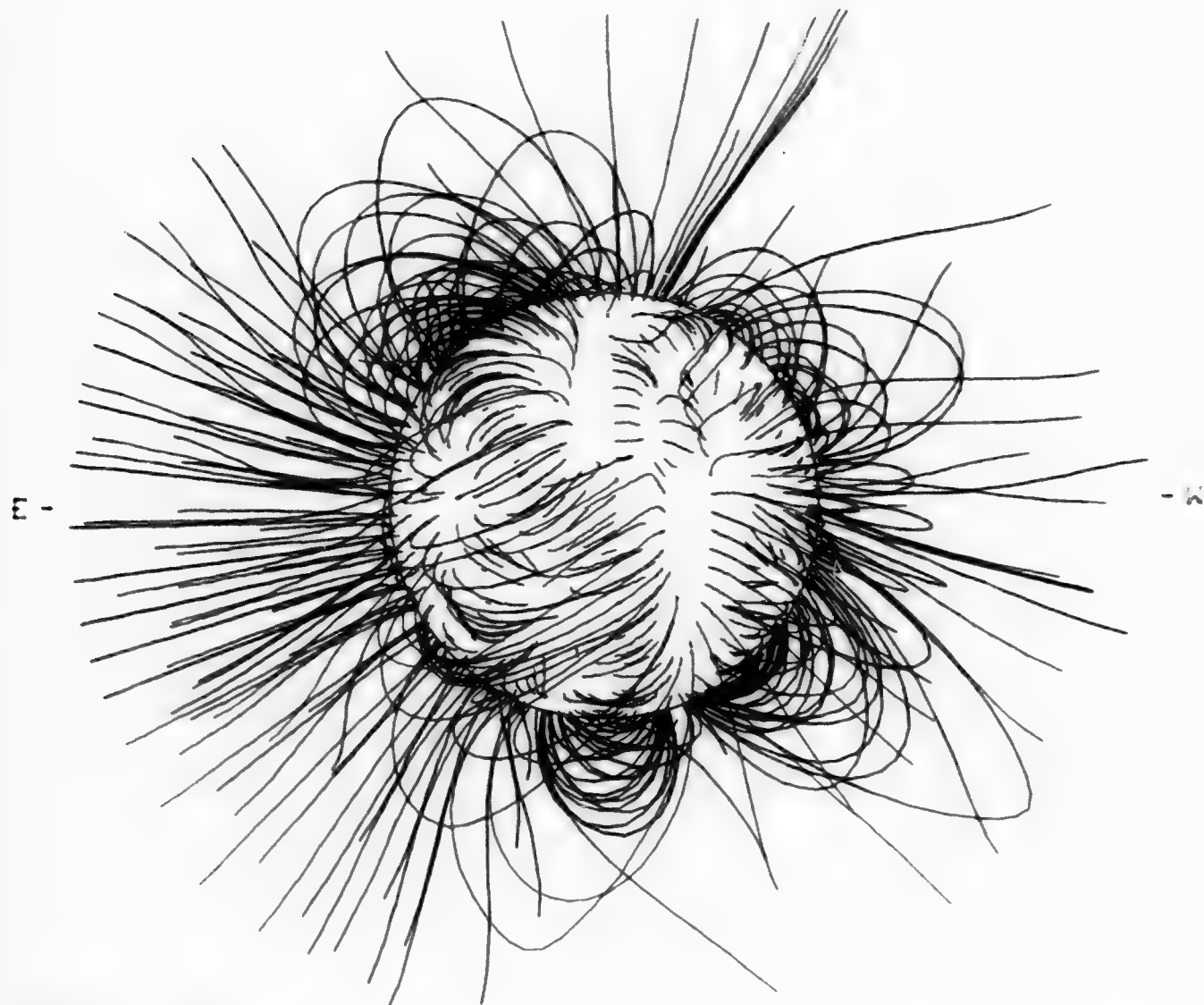
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

! S

ROT. 1484 LONG. 320°
12.1 AUG 1964



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1483.47

1
S

ROT. 1484 LONG. 5° 1'

12.8 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

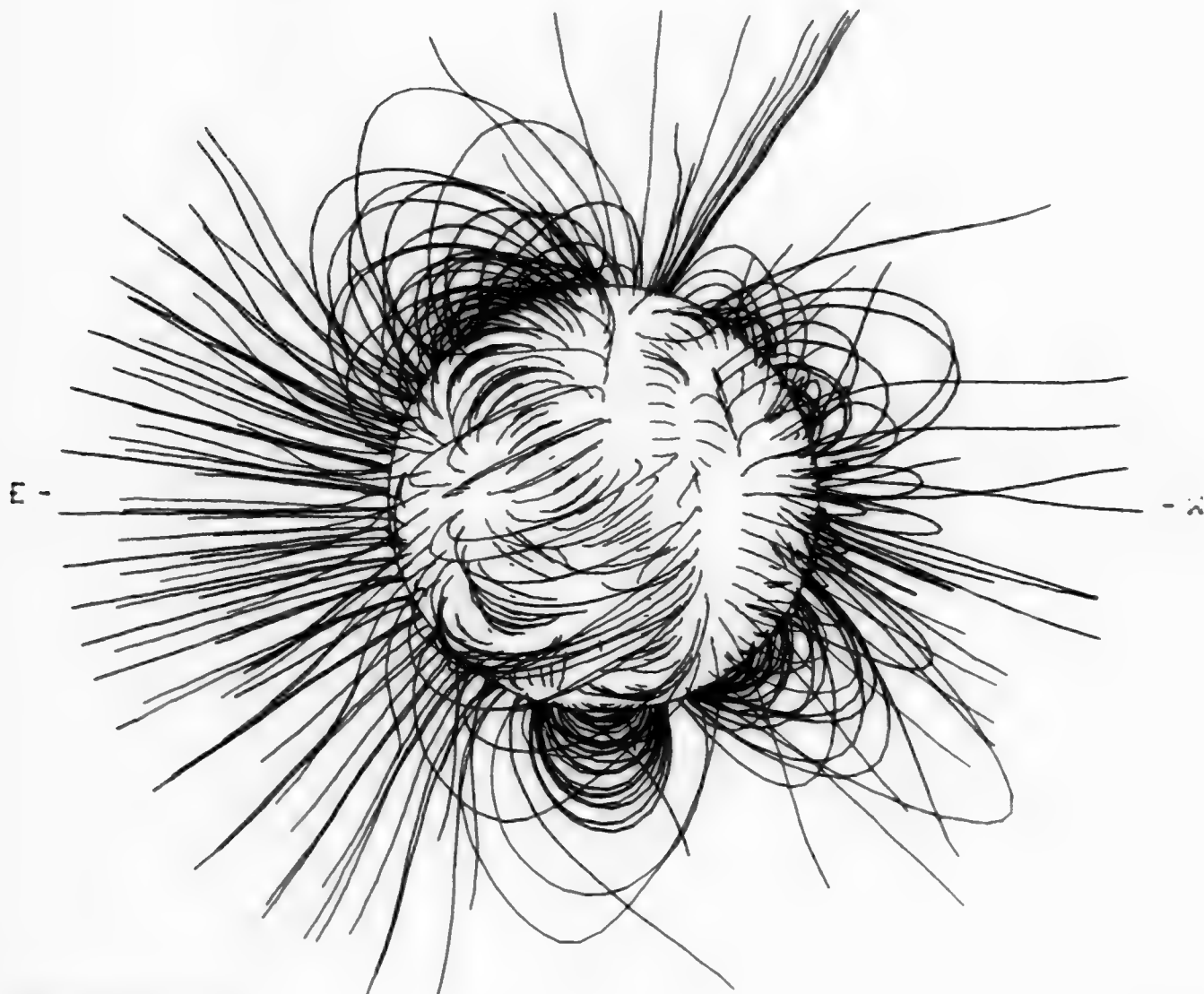


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

RJT. 1484 1410.310°
12.8 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

13



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1483.47

1
S

ROT. 1484 LONG. 300°

13.6 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

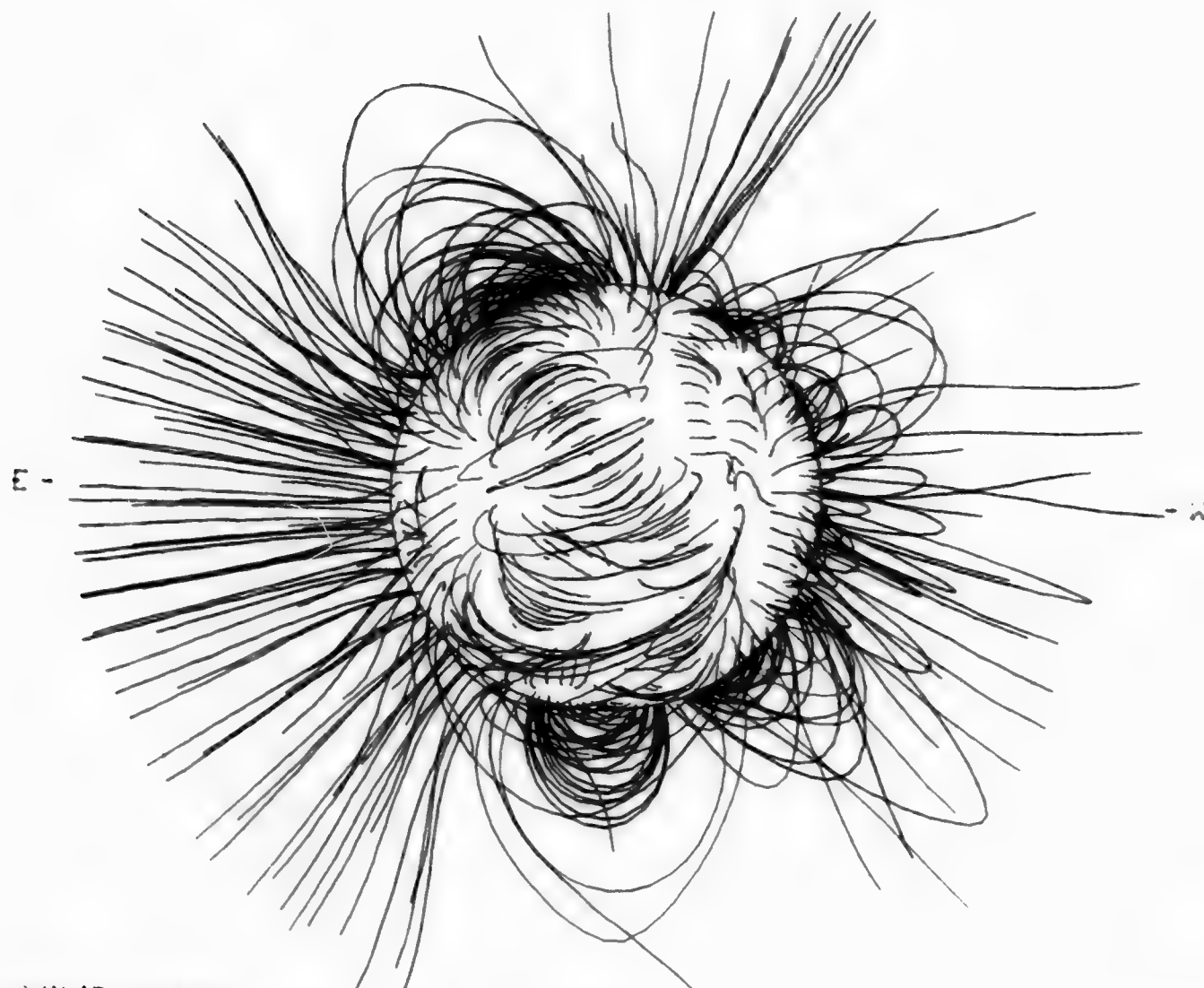
DATA WINDOW 1483.47

S

RET. 1484 LOG. 311

13.6 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1483.47

I
S

ROT. 1484 LONG. 290°

14.3 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

- 2

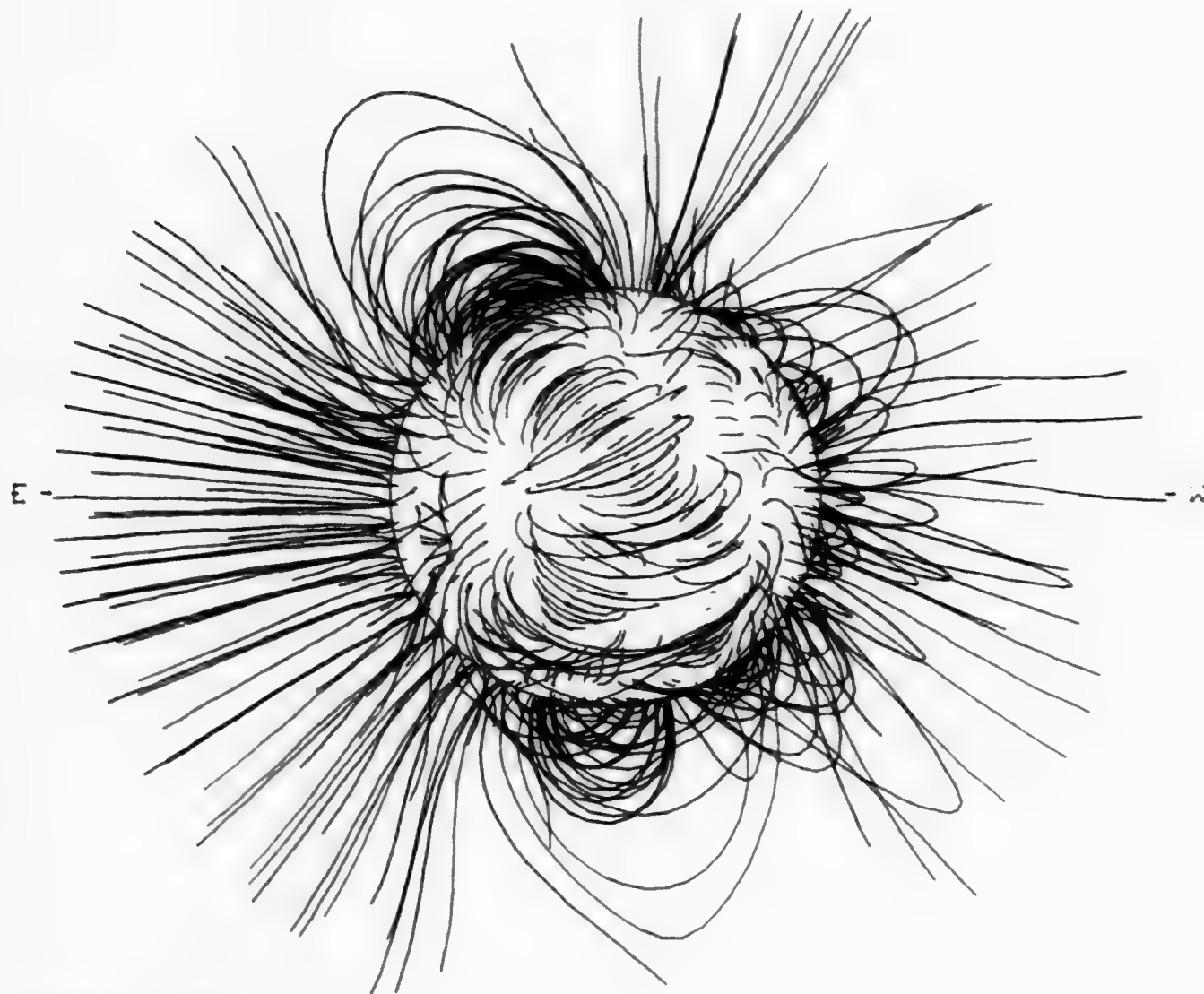
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

S

ROT. 1484 LONG. 290°
14.3 AUG 1984



HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1483.47

S

ROT. 1484 1713.280°

15.1 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

E -

- W

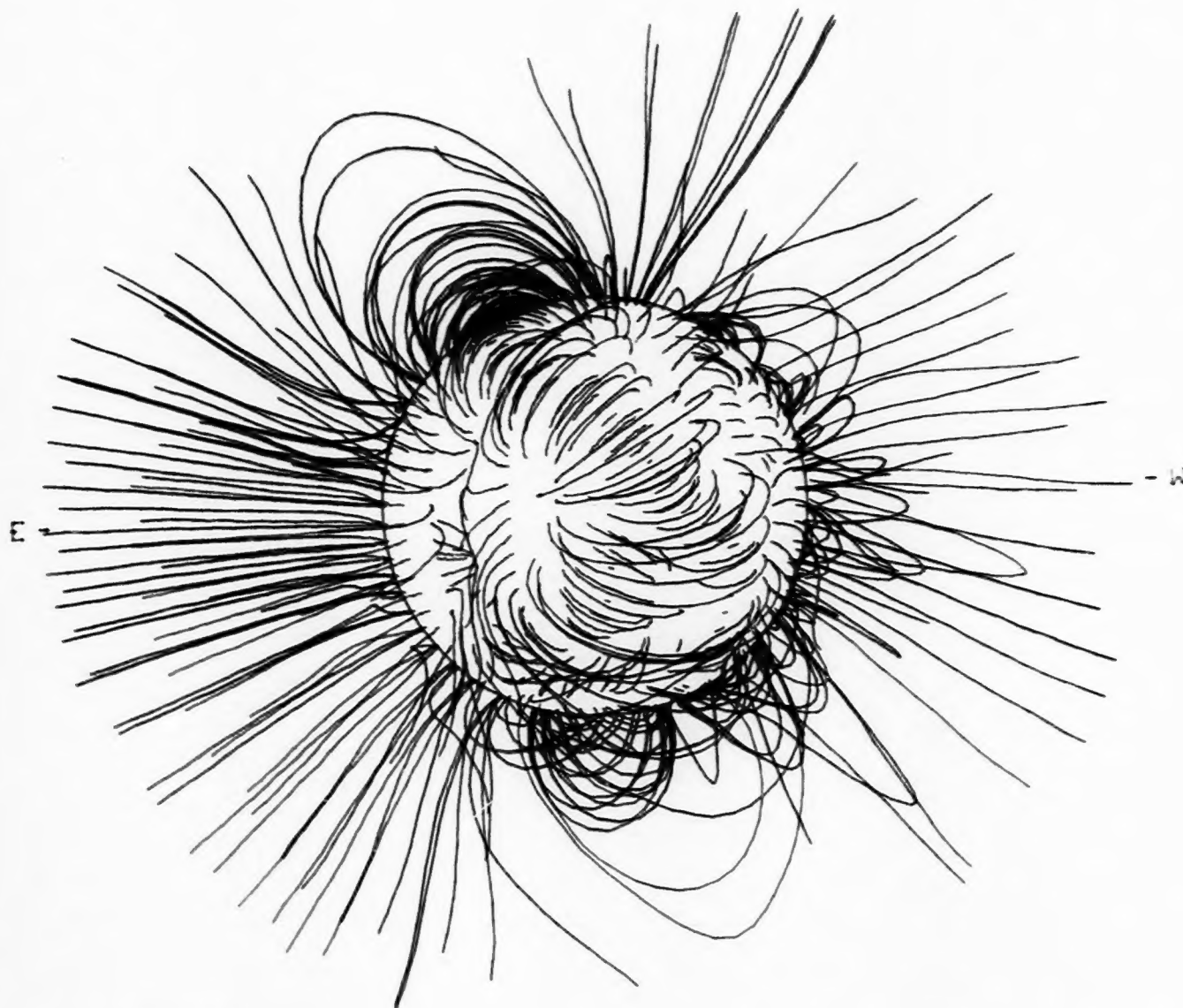
QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

1
S

ROT. 1484 LONG. 281°
15.1 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES

N
I

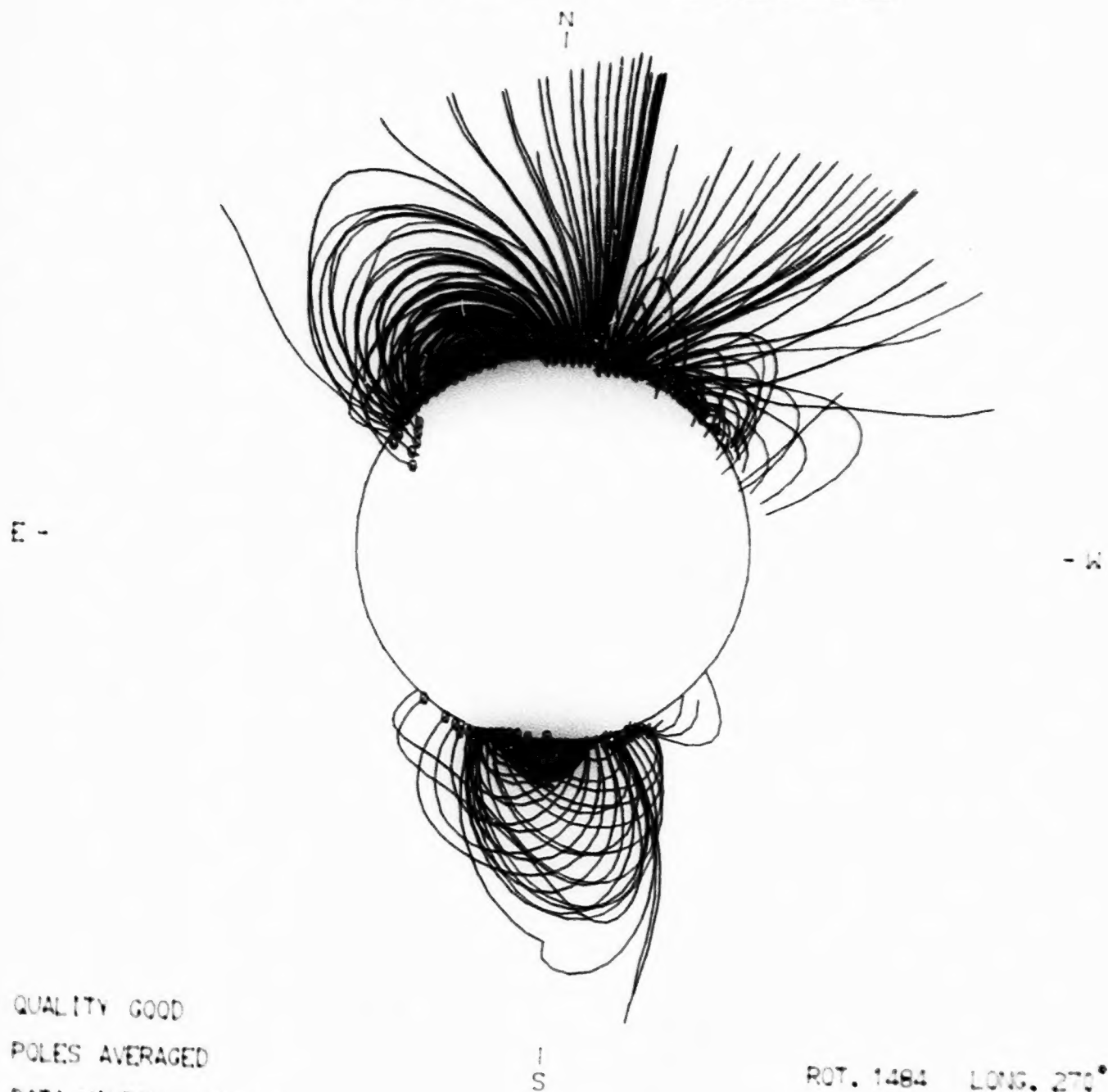


QUALITY GOOD
POLES AVERAGED
DATA WINDOW 1483.47

I
S

ROT. 1484 LONG. 270°
15.8 AUG 1964

HIGH ALTITUDE OBSERVATORY - HALE OBSERVATORIES



QUALITY GOOD

POLES AVERAGED

DATA WINDOW 1483.47

ROT. 1484 LONG. 270°

15.8 AUG 1962

